

# Kevin Mark Potter, Ph.D.

## Curriculum Vitae

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Department of Forestry and  
Environmental Resources  
North Carolina State University  
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Research Triangle Park, NC 27709

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## Education

### North Carolina State University, Raleigh, North Carolina

***Doctor of Philosophy in Forestry (Ecology Minor)*** ***August 2006***

Dissertation advisor: Dr. John Frampton

Dissertation title: “Evolutionary History and Genetic  
Conservation of Fraser Fir (*Abies fraseri*)”

***Master of Science in Natural Resources  
(Forest Economics and Management Option)***

***December 2002***

Thesis advisor: Dr. Fred Cabbage

Thesis title: “Landscape Characteristics and North Carolina  
Stream Life: A Multiple-Scale Ecological Risk  
Assessment of Nonpoint Source Pollution”

### Drake University, Des Moines, Iowa

***Bachelor of Arts in Journalism and Mass Communication  
(History Minor)***

***May 1993***

Graduated magna cum laude, with College Honors

Honors Thesis title: “Tracing Colorado History through Rocky Mountain Place Names”

## Work Experience

### Assessment Program Manager

**August 2022 – present**

Inventory, Monitoring, and Assessment Research  
United States Department of Agriculture, Forest Service  
Research Triangle Park, NC

### Main responsibilities:

- Editing content of the 2020 Resources Protection Act (RPA) Assessment.
- Supporting outreach and publicity for the 2020 RPA Assessment.

**Research Professor**

**July 2020 – August 2022**

**Research Associate Professor**

**July 2014 – June 2020**

**Research Assistant Professor**

**July 2007 – June 2014**

Department of Forestry and Environmental Resources  
North Carolina State University, Raleigh, NC

**Main responsibilities:**

- Analyzing thousands of Forest Inventory and Analysis (FIA) plots across the United States to assess biodiversity, conservation effectiveness, and forest function.
- Investigating species invasion patterns across broad spatial scales.
- Developing broad-scale indicators of forest health and sustainability, and coordinating national USDA Forest Service annual forest health reports.
- Implementing a data-driven and expert-guided framework to prioritize forest tree species for conservation and management.
- Assessing the range-wide genetic variation of at-risk forest tree species and conserving the genetic variation of those species.

**Postdoctoral Research Associate**

**July 2006 – July 2007**

Central America and Mexico Coniferous Research Cooperative (CAMCORE)  
North Carolina State University, Raleigh, NC

**Main responsibilities:**

- Employed allozymes to explore the evolutionary history of eastern hemlock (*Tsuga canadensis*), an ecologically important species threatened by an exotic insect.
- Used amplified fragment length polymorphisms (AFLPs) to research the genetic diversity and architecture of Carolina hemlock (*Tsuga caroliniana*), a rare Southern Appalachian endemic.
- Quantified the genetic structure and diversity in *Pinus oocarpa* and related species across Mesoamerica in the context of resistance to pitch canker.
- Completed a comprehensive rangewide seed collection of Fraser fir (*Abies fraseri*) to ensure the genetic diversity of the species is adequately preserved.

**Doctoral Graduate Fellow and Research Assistant**

**August 2002 – July 2006**

Department of Forestry and Environmental Resources  
3120 Jordan Hall  
North Carolina State University, Raleigh, North Carolina, 27695-8008

**Main responsibilities:**

- Used microsatellite markers to quantify the genetic architecture and diversity of Fraser fir (*Abies fraseri*) populations.
- Simulated population genetic dynamics of Fraser fir populations using a mathematical model that contained both transition matrices and stochastic processes.
- Assessed conservation status of Fraser fir, and developed gene conservation strategy for this imperiled Southern Appalachian endemic, based on genetic diversity and modeling results.

**Master's Degree Graduate Student**

**August 2001 – August 2002**

Department of Forestry and Environmental Resources  
North Carolina State University, Raleigh, NC

**Main responsibilities:**

- Researched the impact of land cover changes and forestry best management practices on water quality in North Carolina, with an emphasis on benthic macroinvertebrates.
- Developed an ecological risk assessment approach to forecast future changes in North Carolina water quality, as measured by the health of benthic macroinvertebrate communities.
- Used geographic information system software to characterize land cover and geographic characteristics of North Carolina watersheds.

**Other Qualifications**

**Grants and Contracts:**

1. Lead Principal Investigator (one of two), “Forest Health Retrospective: A National Evaluation of Insect and Disease Extent and Impact,” \$180,000, USDA Forest Service Cost Share Agreement 18-CS-11330110-033 with North Carolina State University, 2018-2023.
2. Principal Investigator (subcontract), “Modeling Invasion Dynamics across Scales (MIDAS),” \$84,973, National Science Foundation subcontract between Purdue University and North Carolina State University, 2016-2019.
3. Lead Principal Investigator (one of two), “Conservation Assessment and Prioritization of Forest Tree Species and Populations at Risk,” \$159,189, USDA Forest Service Joint Venture Agreement 13-JV-11330110-072 with North Carolina State University, 2013-2018.
4. Lead Principal Investigator (one of three), “Population-Level Assessment of Climate Change Genetic Risk in North American Forest Trees,” \$140,000, USDA Forest Service Joint Venture Agreement 10-JV-11330146-049 with North Carolina State University, 2010-2014.
5. Principal Investigator (one of three), “Forest Health Monitoring and Assessment,” \$405,511, USDA Forest Service Cost Share Agreement 21-CS-11330110-034 with North Carolina State University, 2021-2022.
6. Principal Investigator (one of three), “Forest Health Monitoring, Assessment, and Analysis,” \$338,410, USDA Forest Service Cost Share Agreement 20-CS-11330110-020 with North Carolina State University, 2020-2021.
7. Principal Investigator (one of three), “Forest Health Monitoring, Analysis, and Assessment,” \$293,512, USDA Forest Service Cost Share Agreement 19-CS-11330110-027 with North Carolina State University, 2019-2020.
8. Principal Investigator (one of three), “Forest Health Monitoring and Assessment,” \$277,012, USDA Forest Service Cost Share Agreement 18-CS-11330110-026 with North Carolina State University, 2018-2019.
9. Principal Investigator (one of three), “Forest Health Monitoring, Assessment, and Analysis,” \$292,020, USDA Forest Service Cost Share Agreement 17-CS-11330110-025 with North Carolina State University, 2017-2019.
10. Principal Investigator (one of three), “Forest Health Monitoring, Analysis, and Assessment,” \$276,879, USDA Forest Service Cost Share Agreement 16-CS-11330110-038 with North Carolina State University, 2016-2018.

11. Principal Investigator (one of three), “Forest Health Monitoring, Assessment, and Analysis,” \$275,608, USDA Forest Service Cost Share Agreement 15-CS-11330110-067 with North Carolina State University, 2015-2017.
12. Principal Investigator (one of three), “Forest Health Monitoring, Assessment, and Analysis,” \$275,593, USDA Forest Service Cost Share Agreement 14-CS-11330110-042 with North Carolina State University, 2014-2016.
13. Principal Investigator (one of three), “Forest Health Monitoring, Analysis, and Assessment,” \$275,788, USDA Forest Service Joint Venture Agreement 13-JV-11330110-043 with North Carolina State University, 2013-2015.
14. Principal Investigator (one of three), “Forest Health Monitoring and Assessment,” \$275,622, USDA Forest Service Joint Venture Agreement 12-JV-11330146-063 with North Carolina State University, 2012-2014.
15. Principal Investigator (one of three), “Forest Health Monitoring, Assessment, and Analysis,” \$275,526, USDA Forest Service Joint Venture Agreement 11-JV-11330146-090 with North Carolina State University, 2011-2013.
16. Principal Investigator (one of four), “Forest Health Monitoring, Analysis and Assessment,” \$284,052 USDA Forest Service Joint Venture Research Agreement 10-JV-11330146-064 with North Carolina State University, 2010-2012.
17. Lead Principal Investigator (one of three), “Assessing Forest Tree Risk of Extinction and Genetic Degradation from Climate Change,” \$30,000, USDA Forest Service Cooperative Agreement 09-CA-11330146-078 with North Carolina State University, 2009-2010.
18. Principal Investigator (one of four), “Forest Health Monitoring, Assessment and Analysis,” \$250,000, USDA Forest Service Joint Venture Research Agreement 09-JV-11330146-087 with North Carolina State University, 2009-2011.
19. Principal Investigator (one of four), “Forest Health Monitoring and Assessment,” \$259,911, USDA Forest Service Joint Venture Research Agreement 08-JV-11330146-078 with North Carolina State University, 2008-2010.

### **Refereed Publications:**

1. **Potter, K.M.**, R.M. Jetton, W.A. Whittier, B.S. Crane, V.D. Hipkins, C. Echt, and G.R. Hodge. *Accepted*. Table Mountain pine (*Pinus pungens*): Genetic diversity and conservation of an imperiled conifer. *Forest Science*.
2. LaRue, E.A., J. Knott, G. Domke, H.Y.H. Chen, Q. Guo, M. Hisano, C. Oswald, S. Oswald, N. Kong, **K.M. Potter**, and S. Fei. *Accepted*. Structural diversity as a reliable and novel predictor of ecosystem productivity. *Frontiers in Ecology and the Environment*.
3. **Potter, K.M.**, K.H. Riitters, and Guo, Q. 2022. Non-native tree regeneration indicates regional and national risks from current invasions. *Frontiers in Forests and Global Change*. 5: 966407. <https://doi.org/10.3389/ffgc.2022.966407>.
4. Hoban, S., F.I. Archer, L. Bertola, J. Bragg, M. Breed, M.W. Bruford, M. Coleman, R. Ekblom, W.C. Funk, C. Grueber, B.K. Hand, R. Jaffé, E. Jensen, J.S. Johnson, F. Kershaw, L. Liggins, A.J. MacDonald, J. Mergeay, J. Miller, F. Muller-Karger, D. O’Brien, I. Paz-

- Vinas, **K.M. Potter**, O. Razgou, C. Vernesi, and M.E. Hunter. 2022. Global genetic diversity status and trends: Towards a suite of Essential Biodiversity Values (EBVs) for genetic composition. *Biological Reviews*. <https://doi.org/10.1111/brv.12852>.
5. **Potter, K.M.**, and K.H. Riitters. 2021. A national multi-scale assessment of regeneration deficit as an indicator of potential forest genetic variation loss. *Forests*. 13(1):19. <https://doi.org/10.3390/f13010019>.
  6. Willyard, A., D. Gernandt, A. Lopez Reyes, and **K.M. Potter**. 2021. Mitochondrial phylogeography of the ponderosa pines: Widespread gene capture, interspecific sharing, and two unique lineages. *Tree Genetics & Genomes*. 17:47. <https://doi.org/10.1007/s11295-021-01529-4>.
  7. Hoban, S., C.D. Campbell, J. da Silva, R. Ekblom, W.C. Funk, B. Garner, J.A. Godoy, F. Kershaw, A.J. MacDonald, J. Mergeay, M. Minter, D. O'Brien, I. Paz-Vinas, S.K. Pearson, S. Perez-Espona, **K.M. Potter**, I.M. Russo, G. Segelbacher, C. Vernesi, and M.E. Hunter. 2021. Genetic diversity is considered important but interpreted narrowly in country reports to the Convention on Biological Diversity: Current actions and indicators are insufficient. *Biological Conservation*. 261(2021):109233. <https://doi.org/10.1016/j.biocon.2021.109233>.
  8. Anderson, S.M., L.S. Heath, M.R. Emery, J.A. Hicke, J. Littell, A. Lucier, J.G. Masek, D.L. Peterson, R. Pouyat, **K.M. Potter**, G. Robertson, and J. Sperry. 2021. Developing a set of indicators to identify, monitor, and track impacts and change in the forests of the United States. *Climatic Change*. 165:13. <https://doi.org/10.1007/s10584-021-02993-6>.
  9. Pike, C., **K.M. Potter**, P. Berrang, B.S. Crane, J. Baggs, L. Leites, and T. Luther. 2020. New seed collection zones for the eastern United States: The Eastern Seed Zone Forum. *Journal of Forestry*. <https://doi.org/10.1093/jofore/fvaa013>.
  10. **Potter, K.M.**, M.E. Escanferla, R.M. Jetton, G. Man, and B.S. Crane. 2019. Prioritizing the conservation needs of United States tree species: Evaluating vulnerability to forest insect and disease threats. *Global Ecology and Conservation*. 18(2019):e00622. <https://doi.org/10.1016/j.gecco.2019.e00622>.
  11. **Potter, K.M.**, M.E. Escanferla, R.M. Jetton, and G. Man. 2019. Insect and disease threats to United States tree species and geographic patterns of their potential impacts. *Forests*. 10(4). <https://doi.org/10.3390/f10040304>.
  12. Guo, Q., S. Fei, **K.M. Potter**, A.M. Liebhold, and J. Wen. 2019. Tree diversity regulates forest pest invasion. *Proceedings of the National Academy of Sciences*. 116 (15) 7382-7386. <https://doi.org/10.1073/pnas.1821039116>.
  13. Guo, Q., **K.M. Potter**, F.H. Koch, and K.H. Riitters. 2019. Impacts of nonnative species on the health of natural and planted forests. *Forests*. 10 (5):366-369. <https://doi.org/10.3390/f10050366>.
  14. Iannone, B.V., **K.M. Potter**, Q. Guo, I. Jo, C.M. Oswalt, and S. Fei. 2018. Environmental harshness drives spatial heterogeneity in biotic resistance. *NeoBiota*. 40:87-105. <https://doi.org/10.3897/neobiota.40.28558>.
  15. Guo, Q., K.H. Riitters, and **K.M. Potter**. 2018. A subcontinental analysis of forest fragmentation and pest invasion. *Forests*. 9(12):744. <https://doi.org/10.3390/f9120744>.

16. Riitters, K.H., **K.M. Potter**, B.V. Iannone, C.M. Oswalt, Q. Guo, and S. Fei. 2018. Exposure of protected forest to plant invasions in the eastern United States. *Forests*. 9(11):723. <https://doi.org/10.3390/f9110723>.
17. **Potter, K.M.** 2018. Do United States protected areas effectively conserve forest tree rarity and evolutionary distinctiveness? *Biological Conservation*. 224:34-46. <https://doi.org/10.1016/j.biocon.2018.05.007>.
18. Siry, J., F.W. Cabbage, **K.M. Potter**, and K. McGinley. 2018. Current perspectives on sustainable forest management: North America. *Current Forestry Reports*. 4(3):138-149. <https://doi.org/10.1007/s40725-018-0079-2>.
19. Maguire, K.C., D.J. Shinneman, **K.M. Potter**, and V.D. Hipkins. 2018. Intraspecific niche models for ponderosa pine (*Pinus ponderosa*) suggest potential variability in population-level response to climate shifts. *Systematic Biology*. <https://doi.org/10.1093/sysbio/syy017>.
20. Riitters, K.H., **K.M. Potter**, B.V. Iannone, C.M. Oswalt, S. Fei, and Q. Guo. 2018. Landscape correlates of forest plant invasions: A high-resolution analysis across the eastern United States. *Diversity and Distributions*. 24:274-284. <https://doi.org/10.1111/ddi.12680>.
21. Jo, I., **K.M. Potter**, G. Domke, and S. Fei. 2018. Dominant forest tree mycorrhizal type mediates understory plant invasions. *Ecology Letters*. 21:217-224. <https://doi.org/10.1111/ele.12884>.
22. **Potter, K.M.**, A.R. Campbell, S.A. Josserand, C.D. Nelson, and R.M. Jetton. 2017. Population isolation results in unexpectedly high differentiation in Carolina hemlock (*Tsuga caroliniana*), an imperiled Southern Appalachian endemic conifer. *Tree Genetics & Genomes*. 13(105). <https://doi.org/10.1007/s11295-017-1189-x>.
23. Fei, S., J.M. Desprez, **K.M. Potter**, I. Jo, J.A. Knott, and C.M. Oswalt. 2017. Divergence of species responses to climate change. *Science Advances*. 3(5):e1603055. <https://doi.org/10.1126/sciadv.1603055>.
24. Prasad, A.M. and **K.M. Potter**. 2017. Macro-scale assessment of demographic and environmental variation within genetically derived evolutionary lineages of eastern hemlock (*Tsuga canadensis*), an imperiled conifer of the eastern United States. *Biodiversity and Conservation*. 26(9):2223-2249. <https://doi.org/10.1007/s10531-017-1354-4>.
25. **Potter, K.M.**, R.M. Jetton, A. Bower, D.F. Jacobs, G. Man, V.D. Hipkins, and M. Westwood. 2017. Banking on the future: Progress, challenges and opportunities for the genetic conservation of forest trees. *New Forests*. 48(2):153-180. <https://doi.org/10.1007/s11056-017-9582-8>.
26. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2017. A United States national prioritization framework for tree species vulnerability to climate change. *New Forests*. 48(2):275-300. <https://doi.org/10.1007/s11056-017-9569-5>.
27. Hastings, J.M., **K.M. Potter**, F.H. Koch, M. Megalos, and R.M. Jetton. 2017. Prioritizing conservation seed banking locations for imperiled hemlock species using multi-attribute frontier mapping. *New Forests*. 48(2):301-316. <https://doi.org/10.1007/s11056-017-9575-7>.
28. Willyard, A., D. Gernandt, **K.M. Potter**, V.D. Hipkins, P. Marquart, M.F. Maholovich, S.K. Langer, F. Telewski, B. Cooper, C. Douglas, K. Finch, H. Karemera, J. Lefler, P. Lea, and A.

- Wofford. 2017. *Pinus ponderosa*: A checkered past obscured four species. *American Journal of Botany*. 104(1):161-181. <https://doi.org/10.3732/ajb.1600336>.
29. Guo, G., B.V. Iannone, G.C. Nunez-Mir, **K.M. Potter**, C.M. Oswalt, and S. Fei. 2017. Species pool, human population, and global vs. regional invasion patterns. *Landscape Ecology*. 32(2):229-238. <https://doi.org/10.1007/s10980-016-0475-6>.
30. Russell, M.B., C.W. Woodall, **K.M. Potter**, B.F. Walters, G.M. Domke, and C.M. Oswalt. 2017. Interactions between white-tailed deer density and the composition of forest understories in the northern United States. *Forest Ecology and Management*. 384:26-33. <https://doi.org/10.1016/j.foreco.2016.10.038>.
31. Iannone, B.V., **K.M. Potter**, Q. Guo, A.M. Liebhold, B.C. Pijanowski, C.M. Oswalt, and S. Fei. 2016. Biological invasion hotspots: A trait-based perspective reveals new sub-continental patterns. *Ecography*. 39:961-969. <https://doi.org/10.1111/ecog.01973>.
32. Shinneman, Douglas J., R.E. Means, **K.M. Potter**, and V.D. Hipkins. 2016. Exploring climate niches of ponderosa pine haplotypes in the western United States: Insight into evolutionary history and implications for future conservation. *PLOS One*. 11(3):e0151811. <https://doi.org/10.1371/journal.pone.0151811>.
33. **Potter, K.M.**, F.H. Koch, C.M. Oswalt, and B.V. Iannone. 2016. Data, data everywhere: Detecting spatial patterns in fine-scale ecological information collected across a continent. *Landscape Ecology*. 31:67-84. <https://doi.org/10.1007/s10980-015-0295-0>.
34. Iannone, B.V., **K.M. Potter**, K-A. Dixon Hamil, W. Huang, H. Zhang, Q. Guo, C.M. Oswalt, C.W. Woodall, and S. Fei. 2016. Evidence of biotic resistance to invasions in forests of the Eastern USA. *Landscape Ecology*. 31:85-99. <https://doi.org/10.1007/s10980-015-0280-7>.
35. Fei, S., Q. Guo, and **K.M. Potter**. 2016. Macrosystems ecology: Novel methods and new understanding of multi-scale patterns and processes. *Landscape Ecology*. 31:1-6. <https://doi.org/10.1007/s10980-015-0315-0>.
36. Guo, Q., S. Fei, J.S. Dukes, C.M. Oswalt, B.V. Iannone, and **K.M. Potter**. 2015. A unified approach to quantify invisibility and degree of invasion. *Ecology*. 95(10):2613-2621. <https://doi.org/10.1890/14-2172.1.sm>.
37. Iannone, B.V., C.M. Oswalt, A.M. Liebhold, Q. Guo, **K.M. Potter**, G.C. Nunez-Mir, S.N. Oswalt, B.C. Pijanowski, and S. Fei. 2015. Region-specific patterns and drivers of macroscale forest plant invasions. *Diversity and Distributions*. 21:1181-1192. <https://doi.org/10.1111/ddi.12354>.
38. **Potter, K.M.**, V.D. Hipkins, M.F. Mahalovich, and R.E. Means. 2015. Nuclear genetic variation across the range of ponderosa pine (*Pinus ponderosa*): Phylogeographic, taxonomic, and conservation implications. *Tree Genetics & Genomes*. 11(3). <https://doi.org/10.1007/s11295-015-0865-y>.
39. Oswalt, C.M., S. Fei, G. Guo, B.V. Iannone, S. Oswalt, B.C. Pijanowski, and **K.M. Potter**. 2015. A subcontinental view of forest plant invasions using national inventory data. *NeoBiota*. 24:49-54. <https://doi.org/10.3897/neobiota.24.8378>.
40. **Potter, K.M.**, and F.H. Koch. 2014. Phylogenetic community structure of forests across the conterminous United States: Regional ecological patterns and forest health implications. *Forest Science*. 60(5): 851-861. <https://doi.org/10.5849/forsci.13-115>.

41. **Potter, K.M.**, and C.W. Woodall. 2014. Does biodiversity make a difference? Relationships between species richness, evolutionary diversity, and aboveground live tree biomass across U.S. forests. *Forest Ecology and Management*. 321:117-129. <https://doi.org/10.1016/j.foreco.2013.06.026>.
42. **Potter, K.M.**, and W.W. Hargrove. 2013. Quantitative metrics for assessing predicted climate change pressure on North American tree species. *Mathematical and Computational Forestry and Natural Resources Sciences*. 5(2):151-169.
43. Prestemon, J. P., K.L. Abt, **K.M. Potter**, and F.H. Koch. 2013. A West-wide financial assessment of timber salvage opportunities in response to the mountain pine beetle epidemic. *Western Journal of Applied Forestry*. 28(4):143-153. <https://doi.org/10.5849/wjaf.12-032>.
44. **Potter, K.M.**, V.D. Hipkins, M.F. Mahalovich, and R.E. Means. 2013. Mitochondrial DNA haplotype distribution patterns in *Pinus ponderosa* (Pinaceae): Range-wide evolutionary history and implications for conservation. *American Journal of Botany*. 100(8):1-18. <https://doi.org/10.3732/ajb.1300039>.
45. **Potter, K.M.**, and W.W. Hargrove. 2012. Determining suitable locations for seed transfer under climate change: A global quantitative method. *New Forests*. 43(5-6):581-599. <https://doi.org/10.1007/s11056-012-9322-z>.
46. **Potter, K.M.**, and C.W. Woodall. 2012. Trends in tree evolutionary diversity across life stages indicate change in regional forest biodiversity. *Ecological Applications*. 22(2):517-531. <https://doi.org/10.1890/10-2137.1>.
47. **Potter, K.M.**, R.M. Jetton, W.S. Dvorak, V.D. Hipkins, W.A. Whittier, and J. Rhea. 2012. Widespread inbreeding and unexpected geographic patterns of genetic variation in eastern hemlock (*Tsuga canadensis*), an imperiled North American conifer. *Conservation Genetics*. 13(2):475-498. <https://doi.org/10.1007/s10592-011-0301-2>.
48. **Potter, K.M.**, J. Frampton, S.A. Josserand, and C.D. Nelson. 2010. Evolutionary history of two endemic Appalachian conifers revealed using microsatellite markers. *Conservation Genetics*. 11(4):1499-1513. <https://doi.org/10.1007/s10592-009-9980-3>.
49. Dvorak, W.S., **K.M. Potter**, V.D. Hipkins, and G.R. Hodge. 2009. Genetic diversity and gene exchange in *Pinus oocarpa*, a Mesoamerican pine with resistance to the pitch canker fungus (*Fusarium circinatum*). *International Journal of Plant Sciences*. 170(5):609-626. <https://doi.org/10.1086/597780>.
50. **Potter, K.M.**, J. Frampton, S.A. Josserand, and C.D. Nelson. 2008. Genetic variation and population structure in Fraser fir (*Abies fraseri*): A microsatellite assessment of young trees. *Canadian Journal of Forest Research*. 38:2128-2137. <https://doi.org/10.1139/X08-064>.
51. Josserand, S.A., **K.M. Potter**, C.S. Echt, and C.D. Nelson. 2008. Isolation and characterization of microsatellite markers for Carolina hemlock (*Tsuga caroliniana*). *Molecular Ecology Resources*. 8(6):1371-1374. <https://doi.org/10.1111/j.1755-0998.2008.02294.x>.
52. **Potter, K.M.**, W.S. Dvorak, B.S. Crane, V.D. Hipkins, R.M. Jetton, W.A. Whittier, and R. Rhea. 2008. Allozyme variation and recent evolutionary history of eastern hemlock (*Tsuga canadensis*) in the southeastern United States. *New Forests*. 35:131-145. <https://doi.org/10.1007/s11056-007-9067-2>.



53. Josserand, S.A., **K.M. Potter**, G. Johnson, J.A. Bowen, J. Frampton, and C.D. Nelson. 2006. Isolation and characterization of microsatellite markers in Fraser fir (*Abies fraseri*). *Molecular Ecology Notes*. 6:65-68. <https://doi.org/10.1111/j.1471-8286.2005.01138.x>.
54. **Potter, K.M.**, F.W. Cabbage, and R.H. Schaberg. 2005. Multiple-scale landscape predictors of benthic macroinvertebrate community structure in North Carolina. *Landscape and Urban Planning*. 71:77-90. <https://doi.org/10.1016/j.landurbplan.2004.02.001>.
55. **Potter, K.M.**, F.W. Cabbage, G.B. Blank, and R.H. Schaberg. 2004. A watershed-scale model for predicting nonpoint pollution risk in North Carolina. *Environmental Management*. 34(1):62-74. <https://doi.org/10.1007/s00267-004-0117-7>.

### **Refereed Publications in Revision, in Review, and in Preparation:**

1. Asaro, C., F.H. Koch, and **K.M. Potter**. *In review*. Denser forests across the USA experience more damage from insects and pathogens. *Scientific Reports*.
2. Crockett, E.T.H., J.W. Atkins, Q. Guo, G. Sun, **K.M. Potter**, S. Ollinger, C.A. Silva, H. Tang, C.W. Woodall, J. Holgerson, and J. Xiao. *In revision*. Impacts of structural and species diversity on aboveground carbon storage in temperate forests: Evidence from GEDI and forest inventory data. *Remote Sensing of Environment*.
3. **Potter, K.M.**, C.P. Giardina, F. Hughes, O. Kuegler, S. Cordell, A. Koch, E. Yuen. *In review*. How invaded are Hawaiian forests? Non-native understory tree dominance signals potential canopy replacement. *Landscape Ecology*.
4. **Potter, K.M.**, B.V. Iannone, K.H. Riitters, Guo, Q., and S. Fei. *In preparation*. Forest plant invasions at the Eastern United States wildland-urban interface. *Biological Invasions*.
5. **Potter, K.M.**, C.P. Giardina, F. Hughes, O. Kuegler, S. Cordell, A. Koch, E. Yuen, T. Schappe, Y. Li, X. Ma, and H. Zhu. *In preparation*. The effects of environmental and native biodiversity on the invasion of Hawaiian forests by non-native trees. *Forests*.

### **Book Reviews:**

1. **Potter, K.M.** 2012. Book review: *Molecular Approaches in Natural Resource Conservation and Management*. *Landscape Ecology*. 27(3):467-468. <https://doi.org/10.1007/s10980-011-9679-y>.
2. **Potter, K.M.** 2006. Book review: *Biological Resources and Migration*. *Landscape Ecology*. 21(4):625-626. <https://doi.org/10.1007/s10980-005-2897-4>.

### **Peer-reviewed Government Publications (Editor):**

1. **Potter, K.M.**, and B.L. Conkling, editors. 2022. Forest Health Monitoring: National Status, Trends and Analysis, 2021. General Technical Report SRS-266. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 193 p. <https://doi.org/10.2737/SRS-GTR-266>.
2. **Potter, K.M.**, and B.L. Conkling, editors. 2021. Forest Health Monitoring: National Status, Trends and Analysis, 2020. General Technical Report SRS-261. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 211 p. <https://doi.org/10.2737/SRS-GTR-261>.

3. **Potter, K.M.**, and B.L. Conkling, editors. 2020. Forest Health Monitoring: National Status, Trends and Analysis, 2019. General Technical Report SRS-250. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 189 p. <https://doi.org/10.2737/SRS-GTR-250>.
4. **Potter, K.M.**, and B.L. Conkling, editors. 2019. Forest Health Monitoring: National Status, Trends and Analysis, 2018. General Technical Report SRS-239. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 168 p. <https://doi.org/10.2737/SRS-GTR-239>.
5. **Potter, K.M.**, and B.L. Conkling, editors. 2018. Forest Health Monitoring: National Status, Trends and Analysis, 2017. General Technical Report SRS-233. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 190 p. <https://doi.org/10.2737/SRS-GTR-233>.
6. **Potter, K.M.**, and B.L. Conkling, editors. 2017. Forest Health Monitoring: National Status, Trends and Analysis, 2016. General Technical Report SRS-222. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 195 p. <https://doi.org/10.2737/SRS-GTR-222>.
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10. **Potter, K.M.**, and B.L. Conkling, editors. 2014. Forest Health Monitoring: National Status, Trends and Analysis, 2012. General Technical Report SRS-198. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 192 p. <https://doi.org/10.2737/SRS-GTR-198>.
11. **Potter, K.M.**, and B.L. Conkling, editors. 2013. Forest Health Monitoring: National Status, Trends and Analysis, 2011. General Technical Report SRS-185. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. 149 p. <https://doi.org/10.2737/SRS-GTR-185>.
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### **Peer-reviewed Government Publications (Author):**

1. **Potter, K.M.** 2022. Introduction. Chapter 1 in K.M. Potter and B.L. Conkling, eds., Forest Health Monitoring: National Status, Trends and Analysis, 2021. General Technical Report SRS-266. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. p. 5-21. <https://doi.org/10.2737/SRS-GTR-266-Chap1>.
2. **Potter, K.M.**, and J.L. Paschke. 2022. Broad-scale patterns of insect and disease activity across the 50 United States from the national insect and disease survey, 2020. Chapter 2 in K.M. Potter and B.L. Conkling, eds., Forest Health Monitoring: National Status, Trends and Analysis, 2021. General Technical Report SRS-266. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. p. 25-49.  
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3. **Potter, K.M.** 2022. Broad-scale patterns of forest fire occurrence across the 50 United States and the Caribbean territories, 2020. Chapter 3 in K.M. Potter and B.L. Conkling, eds., Forest Health Monitoring: National Status, Trends and Analysis, 2021. General Technical Report SRS-266. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. p. 51-78. <https://doi.org/10.2737/SRS-GTR-266-Chap3>.
4. Lugo, A.E., J.E. Smith, **K.M. Potter**, H. Marcano Vega, and C.M. Kurtz. 2022. The contribution of non-native tree species to the structure and composition of forests in the conterminous United States in comparison with tropical islands in the Pacific and Caribbean. General Technical Report IITF-54. Río Piedras, Puerto Rico: U.S. Department of Agriculture, Forest Service, International Institute of Tropical Forestry. 81 p.  
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11. **Potter, K.M.**, J.C. Canavin, and F.H. Koch. 2020. A forest health retrospective: National and regional results from 20 years of insect and disease survey data. Chapter 6 in K.M. Potter and B.L. Conkling, eds., *Forest Health Monitoring: National Status, Trends and Analysis*, 2019. General Technical Report SRS-250. Asheville, North Carolina: U.S. Department of Agriculture, Forest Service, Southern Research Station. p. 125-149. <https://doi.org/10.6084/m9.figshare.12609578>.
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54. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2010. Predicting climate change extirpation risk for central and southern Appalachian forest tree species. *Proceedings from the Conference on Ecology and Management of High-Elevation Forests of the Central and Southern Appalachian Mountains*. J.S. Rentch and T.M. Schuler, eds. Snowshoe, West Virginia, May 14-15, 2009. General Technical Report NRS-P-64. Newtown Square, Pennsylvania: U.S. Department of Agriculture, Forest Service, Northern Research Station. pp. 179-189. <https://doi.org/10.6084/m9.figshare.12380222>.
55. Jetton, R.M., W.S. Dvorak, W.A. Whittier, **K.M. Potter**, and R. Rhea. 2009. Genetics and conservation of hemlock species threatened by the hemlock woolly adelgid. *Proceedings of the 20<sup>th</sup> U.S. Department of Agriculture Interagency Research Forum on Invasive Species, 2009*, Katherine McManus and Kurt Gottschalk, eds. Annapolis, Maryland, Jan. 13-16, 2009. General Technical Report NRS-P-51. Newtown Station, Pennsylvania: U.S. Department of Agriculture, Forest Service, Northern Research Station. pp. 39-40.

### **Professional Publications and Conference Proceedings:**

1. **Potter, K.M.**, V.D. Hipkins, and R. Means. 2015. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Regnier Ponderosa-Pinyon Pine Natural Area, Oklahoma. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 10 p.
2. **Potter, K.M.**, V.D. Hipkins, and R. Means. 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Glacier National Park, Montana. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 8 p. <https://doi.org/10.13140/rg.2.1.3084.4323>.
3. **Potter, K.M.**, V.D. Hipkins, and R. Means. 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Rocky Mountain National Park, Colorado. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 8 p. <https://doi.org/10.13140/rg.2.1.2584.7209>.

4. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Yosemite National Park, California. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 7 p. <https://doi.org/10.13140/rg.2.1.3764.3680>.
5. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Lassen Volcanic National Park, California. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 7 p. <https://doi.org/10.13140/rg.2.1.4788.3683>.
6. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Lava Beds National Monument, California. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 7 p. <https://doi.org/10.13140/rg.2.1.1511.5680>.
7. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) within the Whiskeytown National Recreation Area, California. <https://doi.org/Placerville, California>: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 7 p.
8. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Saguaro National Park, Arizona. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 7 p. <https://doi.org/10.13140/rg.2.1.1274.0003>.
9. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at Chiricahua National Monument, Arizona. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 7 p.
10. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) Sites within the Proposed Wah Wah Mountains Area of Critical Environmental Concern (ACEC), Millard County and Iron County, Utah. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 9 p. <https://doi.org/10.13140/rg.2.1.3895.4404>.
11. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at the Square S Gulch Site, Rio Blanco County, and Douglas Mountain Site, Moffat County, Colorado. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 8 p.
12. **Potter, K.M., V.D. Hipkins, and R. Means.** 2014. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) Sites in the Big Hole River Region, Beaverhead County, Montana. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 9 p. <https://doi.org/10.13140/rg.2.1.2035.8568>.
13. Riitters, K., **K.M. Potter**, and B. Tkacz. 2013. Forest Health Monitoring in the United States: Focus on National Reports. *Proceedings of the International Symposium on Forest Health*. Seoul, South Korea, September 25, 2013. pp. 12-27.
14. Devine, W., C. Aubry, J. Miller, **K.M. Potter**, and A. Bower. 2012. Climate change and forest trees in the Pacific Northwest: guide to vulnerability assessment methodology.

- Olympia, Washington: U.S. Department of Agriculture, Forest Service, Pacific Northwest Region. 49 p. [http://ecoshare.info/wp-content/uploads/2012/04/CCFT\\_Methodology.pdf](http://ecoshare.info/wp-content/uploads/2012/04/CCFT_Methodology.pdf).
15. Jetton, R.M., W.S. Dvorak, **K.M. Potter**, W.A. Whittier, and J. Rhea. 2011. Genetics and conservation of hemlock species threatened by the hemlock woolly adelgid. *Proceedings of the 30<sup>th</sup> Southern Tree Improvement Conference*, Amy Brunner, ed. Blacksburg, Virginia, May 31-June 3, 2009. Virginia Polytechnic Institute and State University, Department of Forest Resources and Environmental Conservation, pp. 81-87.
  16. Hipkins, V.D., **K.M. Potter**, and R. Means. 2011. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) Sites within the Proposed Wah Wah Mountains Area of Critical Environmental Concern (ACEC), Millard County and Iron County, Utah. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 6 p.
  17. Hipkins, V.D., **K.M. Potter**, and R. Means. 2011. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at the Square S Gulch Site, Rio Blanco County, Colorado. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 4 p.
  18. Hipkins, V.D., **K.M. Potter**, and R. Means. 2011. Genetic Assessment of Ponderosa Pine (*Pinus ponderosa*) at the Big Hole Site, Beaverhead County, Montana. Placerville, California: U.S. Department of Agriculture, Forest Service, National Forest Genetics Laboratory (NFGEL). 6 p.
  19. **Potter K.M.**, and B.S. Crane. 2010. *Forest Tree Genetic Risk Assessment System: A Tool for Conservation Decision-Making in Changing Times. User Guide, Version 1.2*. USDA Forest Service, Eastern Forest Environmental Threat Center, Asheville, North Carolina. [Online]. <http://www.forestthreats.org/current-projects/project-summaries/genetic-risk-assessment-system-description-120610.pdf>. [Date accessed: January 6, 2011].
  20. **Potter, K.M.**, R.M. Jetton, W.S. Dvorak, J. Frampton, and J. Rhea. 2010. *Ex situ* seed collection represents genetic variation present in natural stands of Carolina hemlock. pp. 181-190 in B. Onken and R. Reardon, compilers, *Proceedings of the Fifth Symposium on Hemlock Woolly Adelgid in the Eastern United States*, Asheville, North Carolina, August 17-19, 2010. U.S. Department of Agriculture, Forest Service, Forest Health Technology Enterprise Team, FHTET-2010-07, Morgantown, West Virginia, pp. 181-190.
  21. **Potter, K.M.** 2009. From genes to ecosystems: Measuring evolutionary diversity and community structure with Forest Inventory and Analysis (FIA) data. *Proceedings of the 2008 Forest Inventory and Analysis (FIA) Symposium*, Will McWilliams, Gretchen Moisen, and Ray Czaplewski, comps. Park City, Utah, Oct. 21-23, 2008. RMRS-P-56CD. Fort Collins, Colorado: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 1 CD.
  22. Jetton, R.M., W.A. Whittier, W.S. Dvorak and **K.M. Potter**. 2008. Status of *ex situ* conservation efforts for eastern and Carolina hemlock in the southeastern United States. pp. 81-89 in: B. Onken and R. Reardon, eds., *Proceedings of the 4<sup>th</sup> Symposium on Hemlock Woolly Adelgid*. U.S. Department of Agriculture, Forest Service, Forest Health Technology Enterprise Team, FHTET-2008-01, Morgantown, WV, 299 p.
  23. **Potter, K.M.**, and J. Frampton. 2005. An *ex situ* gene conservation plan for Fraser fir. *Proceedings of the 28<sup>th</sup> Southern Forest Tree Improvement Conference*, Steven E. McKeand and Bailian Li, eds. Raleigh, North Carolina, June 21-23, 2005. pp. 148-159.

24. **Potter, K.M.**, J. Frampton, and J.R. Sidebottom. 2005. Impacts of balsam woolly adelgid on the Southern Appalachian spruce-fir ecosystem and on the North Carolina Christmas tree industry. *Proceedings of the 3<sup>rd</sup> Symposium on Hemlock Woolly Adelgid in the Eastern United States*, Brad Onken and Richard Reardon, eds. Asheville, North Carolina, Feb. 1, 2005. pp. 25-41.
25. **Potter, K.M.**, and J. Frampton. 2003. Fraser fir: A natural Christmas tree threatened in its native stands. *American Christmas Tree Journal*. 47(5):22-28.
26. **Potter, K.M.**, and J. Frampton. 2003. Genetic variation in Fraser fir mortality due to Phytophthora root rot. *Proceedings of the 27<sup>th</sup> Southern Forest Tree Improvement Conference*, Craig R. McKinley, ed. Stillwater, Oklahoma, June 24-27, 2003. pp. 72-74.
27. Hess, G.R., S.D. Daley, B.K. Dennison, S.R. Lubkin, R.P. McGuinn, V.Z. Morin, **K.M. Potter**, R.E. Savage, W.G. Shelton, C.M. Snow, and B.M. Wrege. 2001. Just what is sprawl, anyway? *Carolina Planning*. 26(2):11-26.

### **Research presentations, invited**

1. **Potter, K.M.**, R.M. Jetton, W.A. Whittier, B.S. Crane, S.A. Josserand, and C.D. Nelson. 2022. "Genetic Diversity and Structure of Three Rare and Imperiled Southern Appalachian Conifers." Association of Southeastern Biologists 83<sup>rd</sup> Annual Meeting, Little Rock, Arkansas, March 31, 2022. (Invited)
2. **Potter, K.M.**, K.H. Riitters, S. Cordell, C. Giardina, F. Hughes, O. Kuegler, E. Yuen, and A. Koch. 2022. "Aliens Among Us: Broad-scale Patterns of Non-native Plant Invasions in United States Forests." 2022 Forest Health Monitoring Workshop, virtual meeting, March 15, 2022. (Invited)
3. Koch, F.H., **K.M. Potter**, and B.L. Conkling. 2022. "The Forest Health Monitoring National Report: Overview of FHM's Annual Flagship Publication." 2022 Forest Health Monitoring Workshop, virtual meeting, March 14, 2022. (Invited)
4. **Potter, K.M.**, K.H. Riitters, S. Cordell, C. Giardina, F. Hughes, O. Kuegler, E. Yuen, and A. Koch. 2021. "Aliens Among Us: National and Regional Patterns of Non-native Plant Invasions in U.S. Forests." National Council for Air and Stream Improvement (NCASI), Cary, North Carolina, October 25, 2021. (Invited)
5. **Potter, K.M.** 2021. "Assessment: Proforestation as a Broad-scale Strategy for Carbon Storage and Management." National Council for Air and Stream Improvement (NCASI), Cary, North Carolina, October 25, 2021. (Invited)
6. **Potter, K.M.**, S. Cordell, C. Giardina, F. Hughes, A. Koch, E. Yuen, T. Schappe, Y. Li, X. Ma, and H. Zhu. 2021. "How Invaded are Hawai'i's Unique Forests? A Statewide Assessment with Standardized Plot Data." 2021 Annual Meeting of the North American Regional Chapter of the International Association for Landscape Ecology, virtual conference, April 13, 2021. (Invited)
7. **Potter, K.M.**, and K.H. Riitters. 2020. "A National Multi-Scale Assessment of Genetic Degradation Risk for Forest Tree Species." The Wildlife Society Virtual Meeting, virtual conference, September 28, 2020. (Invited)

8. Hoban, S., C.D. Campbell, J. da Silva, R. Ekblom, W.C. Funk, B. Garner, J.A. Godoy, F. Kershaw, A.J. MacDonald, J. Mergeay, M. Minter, D. O'Brien, I. Paz Vinas, S. Perez Espona, **K.M. Potter**, I.M. Russo, G. Segelbacher, C. Vernesi, S.K. Pearson, M.E. Hunter. 2020. "A Review of National Reports to the Convention on Biological Diversity: Genetic Diversity and Aichi Target 13." GEO BON Open Science Conference and All Hands Meeting, virtual conference, July 6-10, 2020. (Invited)
9. Hunter, M.E., F.I. Archer, L. Bertola, J. Bragg, M. Breed, M.W. Bruford, M. Coleman, R. Ekblom, W.C. Funk, C. Grueber, B.K. Hand, R. Jaffé, E. Jensen, J.S. Johnson, F. Kershaw, L. Liggins, A.J. MacDonald, J. Mergeay, J. Miller, F. Muller-Karger, D. O'Brien, I. Paz Vinas, S. Pearson, **K.M. Potter**, O. Razgou, C. Vernesi, S. Hoban. 2020. "Developing Essential Biodiversity Variables (EBVs) for the GEO BON Genetic Composition Working Group." GEO BON Open Science Conference and All Hands Meeting, virtual conference, July 6-10, 2020. (Invited)
3. **Potter, K.M.**, Q. Guo, and S. Fei. 2020. "Broad-scale Associations between Forest Evolutionary Diversity and Exotic Pest Invasions." 2020 Annual Meeting of the North American Regional Chapter of the International Association for Landscape Ecology, virtual conference, May 12, 2020. (Invited)
4. Riitters, K.H., **K.M. Potter**, B.V. Iannone, C.M. Oswalt, S. Fei, and Q. Guo. 2020. "Historical and Future Roles of Forest Protection to Manage Exposure of Eastern U.S. Forests to Invasive Plants." 2020 Annual Meeting of the North American Regional Chapter of the International Association for Landscape Ecology, virtual conference, May 12, 2020. (Invited)
5. **Potter, K.M.**, J.C. Canavin, and F.H. Koch. 2020. "A Forest Health Retrospective: National and Regional Results from 20 Years of Insect and Disease Survey Data." 2020 Forest Health Monitoring Workshop, Raleigh, North Carolina, February 27, 2020. (Invited)
6. Jetton, R.M, A.W. Whittier, **K.M. Potter**, A.R. Campbell, C.D. Nelson, S.A. Josserand, and R. Rhea. 2020. "Population Genetics and Conservation of Carolina Hemlock." 2020 Forest Health Monitoring Workshop, Raleigh, North Carolina, February 26, 2020. (Invited)
7. Koch, F.H., and **K.M. Potter**. 2020. "The Forest Health Monitoring National Report: Overview of FHM's Annual Flagship Publication." 2020 Forest Health Monitoring Workshop, Raleigh, North Carolina, February 24, 2020. (Invited)
8. **Potter, K.M.** 2020. "Prioritizing Vulnerable U.S. Tree Species and Populations for Gene Conservation." Department of Forestry and Environmental Resources Departmental Seminar, North Carolina State University, Raleigh, North Carolina, February 17, 2020. (Invited)
9. **Potter, K.M.**, and J.C. Canavin. 2019. "The Most Invaded State in the Nation: Applying FIA Data to Assess Forest Impacts of Nonnative Plants and Pathogens in Hawaii." 2019 Forest Inventory and Analysis (FIA) Stakeholder Science Meeting, Knoxville, Tennessee, November 20, 2019. (Invited)
10. Iannone, B.V., K.M., **K.M. Potter**, Q. Guo, I. Jo, C.M. Oswalt, and S. Fei. 2019. "Using FIA Data to Detect Drivers of Spatial Heterogeneity in Phylogenetic-Invasion Relationships." 2019 Forest Inventory and Analysis (FIA) Stakeholder Science Meeting, Knoxville, Tennessee, November 20, 2019. (Invited)

11. Guo, Q., S. Fei, **K.M. Potter**, A. Liebhold, and J. Wen. 2019. "Native Tree Diversity Resists Exotic Pest Invasions." 2019 Forest Inventory and Analysis (FIA) Stakeholder Science Meeting, Knoxville, Tennessee, November 20, 2019. (Invited)
12. **Potter, K.M.**, M.E. Escanferla, R.M. Jetton, and G. Man. 2019. "Insect and Disease Threats to United States Tree Species and Geographic Patterns of Their Potential Impacts." 2019 Forest Inventory and Analysis (FIA) Stakeholder Science Meeting, Knoxville, Tennessee, November 19, 2019. (Invited)
13. **Potter, K.M.**, and F.H. Koch. 2019. "Take a Sip from the Firehose: Summarizing Remote Sensing Forest Health Data Collected Across the Continent." 2019 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Fort Collins, Colorado, April 8, 2019. (Invited)
14. **Potter, K.M.**, F.H. Koch, J.L. Paschke, F.J. Krist Jr., M.E. Escanferla, and J.C. Canavin. 2019. "Forest Health Data for the Resource Planning Act (RPA) Assessment." 2019 Resource Planning Act (RPA) Assessment Specialists Meeting, Fort Collins, Colorado, April 3, 2019. (Invited)
15. Costanza, J., F.H. Koch, **K.M. Potter**, M. Reeves, K.H. Riitters, and K. Schleeweis. 2019. "RPA 2020 Disturbance Chapter." 2019 Resource Planning Act (RPA) Assessment Specialists Meeting, Fort Collins, Colorado, April 3, 2019. (Invited)
16. **Potter, K.M.**, R.M. Jetton, A.R. Campbell, V.D. Hipkins, J.M. Hastings, S.A. Josserand, C.D. Nelson, W.S. Dvorak. 2019. "Molecular Genetics and the Effort to Conserve Eastern North American Hemlocks Decimated by Hemlock Woolly Adelgid." Entomological Society of America, Southeastern Branch meeting, Mobile, Alabama, March 6, 2019. (Invited)
17. **Potter, K.M.**, M.E. Escanferla, B.S. Crane, R.M. Jetton, G. Man, S. McCord, A. Costanza, C.D. Nelson, and J. Koch. 2018. "Overview of Ranking Research (Project CAPTURE) Results and External Reviewer Input." Forest Health Tree Protection Workshop, Washington, D.C., November 28, 2018. (Invited)
18. **Potter, K.M.** 2018. "Eastern Seed Zones: Keep It Simple, or Kitchen Sink?" Eastern Seed Zone Forum Summit, Lexington, Kentucky, May 9, 2018. (Invited)
19. Johnsen, K.H., S. McKeand, **K.M. Potter**, B. St. Clair, D. Ence, K. Smith, C. Echt, M. Kirst, L. Davis, and D. Nelson. 2018. "Forest Genetics in the United States: Past, Present and Future." International Forum on Practices and Tendencies in Silviculture in the United States, Canada and Europe: Past, Present and Future, Durango, Mexico, April 27, 2018. (Invited)
20. **Potter, K.M.**, F.H. Koch, J.L. Paschke, and F.J. Krist Jr. 2018. "Forest Health Data for the Resource Planning Act (RPA) Assessment." 2018 Resource Planning Act (RPA) Assessment Specialists Meeting, Fort Collins, Colorado, April 19, 2018. (Invited)
21. **Potter, K.M.**, J.L. Paschke, F.J. Krist Jr., and F.H. Koch. 2018. "Beetles and Budworms and Blights, Oh My: Using National Insect and Disease Survey Data to Detect Geographic Patterns of Forest Disturbance." 2018 Forest Health Monitoring Workshop, Phoenix, Arizona, February 15, 2018. (Invited)

22. **Potter, K.M.**, B.L. Conkling, and F.H. Koch. 2018. “The Forest Health Monitoring National Report: Overview, History, and Future Directions of FHM’s Annual Flagship Publication.” 2018 Forest Health Monitoring Workshop, Phoenix, Arizona, February 14, 2018. (Invited)
23. **Potter, K.M.** 2018. “Provisional Seed Zones: Indispensable Tools for Conservation Assessment.” Eastern Seed Zone Forum Webinar, January 24, 2018. (Invited)
24. **Potter, K.M.**, J.L. Paschke, and F.J. Krist Jr. 2017. “Beetles and Budworms and Blights, Oh My: Using National Insect and Disease Survey Data to Detect Geographic Patterns of Forest Disturbance.” 2017 Southern Forest Insect Work Conference, Melbourne, Florida, July 28, 2017. (Invited)
25. **Potter, K.M.** 2017. “Do U.S. Protected Areas Adequately Conserve Forest Tree Species Rarity?” 2017 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Baltimore, Maryland, April 10, 2017. (Invited)
26. Riitters, K.H., **K.M. Potter**, B.V. Iannone, C.M. Oswalt, S. Fei, and Q. Guo. 2017. “Landscape Correlates of Forest Plant Invasions in the Eastern United States.” 2017 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Baltimore, Maryland, April 10, 2017. (Invited)
27. **Potter, K.M.**, B.V. Iannone, C.M. Oswalt, and S. Fei. 2016. “When Does Biodiversity Matter? Assessing the Ecological Importance of Evolutionary Diversity across Broad Regions.” 2016 China-U.S. Biodiversity Workshop: Building Sino-U.S. Collaboration Platform in Biodiversity Studies, Hangzhou, China, October 21, 2016. (Invited)
28. **Potter, K.M.** 2016. “Indices of Rarity and Evolutionary Distinctiveness to Prioritize Tree Species and Forests for Conservation.” EcoSummit 2016, Montpellier, France, August 31, 2016. (Invited)
29. **Potter, K.M.** 2016. “Fires and Droughts and Beetles, Oh My: Recent Status and Trends from the National Forest Health Monitoring Program.” Utah State University Forestry Extension Learn at Lunch Webinar, June 14, 2016. (Invited)
30. **Potter, K.M.**, B.S. Crane, V.D. Hipkins, and W.W. Hargrove. 2016. “Project CAPTURE: A U.S. National Prioritization Assessment of Tree Species for Conservation, Management, and Restoration.” Banking on the Future: Gene Conservation of Forest Trees workshop, Chicago, Illinois, May 17, 2016. (Invited)
31. Hastings, J.M., **K.M. Potter**, F.H. Koch, M.A. Megalos, and R.M. Jetton. 2016. “Using Climate and Genetic Diversity Data to Prioritize Conservation Seed Banking for Imperiled Hemlock Species.” Banking on the Future: Gene Conservation of Forest Trees workshop, Chicago, Illinois, May 17, 2016. (Invited)
32. **Potter, K.M.**, C.M. Oswalt, S. Fei, B.V. Iannone, and Q. Guo. 2016. “How – and Where – Do Nonnative Trees Alter the Biodiversity of Eastern U.S. Forests?” 2016 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Asheville, North Carolina, April 4, 2016. (Invited)
33. Iannone, B.V., **K.M. Potter**, C.M. Oswalt, Q. Guo, and S. Fei. 2016. “Evolutionary divergence conveys biotic resistance to invasion across multiple spatial scales.” 2016 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Asheville, North Carolina, April 4, 2016. (Invited)

34. Fei, S., B.V. Iannone, Q. Guo, C.M. Oswalt, and **K.M. Potter**. 2016. "Biotic resistance to invasive species." 2016 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Asheville, North Carolina, April 4, 2016. (Invited)
35. Oswalt, C.M., S. Fei, T.R. Ridley, S.N. Oswalt, B.V. Iannone, **K.M. Potter**, Q. Guo, and B. Pijanowski. 2016. "Southern invasive plant inventory: Data, tools, and discoveries." 2016 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Asheville, North Carolina, April 4, 2016. (Invited)
36. Prasad, A.M., and **K.M. Potter**. 2016. "Adapt, Move, or Die: Spatially Explicit Assessment of Climate Change Genetic Degradation Risk in Southern Appalachian Forests." 2016 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Asheville, North Carolina, April 6, 2016. (Invited)
37. Oswalt, S.N., C.M. Oswalt, S. Fei, Q.F. Guo, B.V. Iannone, B.C. Pijanowski, and **K.M. Potter**. 2015. "Impact of Invasive Species on Ecosystem Processes and Structures: Large-scale Monitoring." USDA Forest Service Research and Development Workshop: State of the Science for Non-native Invasive Species, Phoenix, Arizona. November 17-19, 2015. (Invited)
38. **Potter, K.M.**, F.H. Koch, and C.M. Oswalt. 2015. "Drinking from the Firehose: Detection of Spatial and Temporal Patterns in Fine-Scale Forest Health Data Collected Across a Continent." International Union of Forest Research Organizations (IUFRO) Landscape Ecology Conference, Tartu, Estonia. August 26, 2015. (Invited)
39. **Potter, K.M.**, V.D. Hipkins, R.E. Means, W.W. Hargrove, and D.J. Shinneman. "Looking Back to See Ahead: Considering Genetic Divergence within Tree Species to Anticipate Responses to Climate Change." Ecological Society of America Annual Meeting, Baltimore, Maryland, August 13, 2015. (Invited)
40. Prasad, A., and **K.M. Potter**. "Assessing Intraspecific Variation via Integrated Ecological Modelling and Genetic Analysis to Assist Tree Species Management." Ecological Society of America Annual Meeting, Baltimore, Maryland, August 13, 2015. (Invited)
41. **Potter, K.M.**, B.S. Crane, and V.D. Hipkins. 2015. "Project CAPTURE: A National Prioritization Assessment of Tree Species for Conservation, Management and Restoration." 2015 Joint Western Forest Genetics Association/Northwest Seed Orchard Management Association Meeting, Seattle, Washington, June 23, 2015. (Invited)
42. **Potter, K.M.**, B.S. Crane, and V.D. Hipkins. 2015. "Project CAPTURE: A National Prioritization Assessment of Tree Species for Conservation, Management and Restoration." Southern Forest Tree Improvement Conference 33<sup>rd</sup> Meeting, Hot Springs, Arkansas, June 9, 2015. (Invited plenary)
43. **Potter, K.M.** 2015. "Toward Gene Conservation Triage: Assessing Genetic Risk to Forest Trees and Populations Affected by Multiple Threats." The Morton Arboretum, Lisle, Illinois. May 14, 2015. (Invited)
44. **Potter, K.M.**, C.M. Oswalt, B.V. Iannone, S. Fei, S.N. Oswalt, Q. Guo, and C.W. Woodall. 2015. "Forest Tree Biodiversity: An Indicator of Invasive Plant Success in the Southeastern United States." 2015 Association of American Geographers Annual Meeting, Chicago, Illinois. April 23, 2015. (Invited)



45. Iannone, B.V., **K.M. Potter**, K.A. Dixon Hamil, W. Huang, H. Zhang, Q. Guo, C.M. Oswalt, C.W. Woodall, and S. Fei. "Key Invasion Relationships are Contingent on Scale and Sub-regional Ecological Context: A North American Forest Case Study." 2015 Association of American Geographers Annual Meeting, Chicago, Illinois. April 23, 2015. (Invited)
46. Guo, Q., S. Fei, B.V. Iannone, **K.M. Potter**, G. Nunez-Mir, and C.M. Oswalt. "Species Invasions: Global Patterns and Regional Differences." 2015 Association of American Geographers Annual Meeting, Chicago, Illinois. April 23, 2015. (Invited)
47. Oswalt, C.M., S. Fei, Q. Guo, B.V. Iannone, B. Pijanowski, **K.M. Potter**, and S.N. Oswalt. "What Can a Broad-Scale Forest Inventory Tell Us about Invasive Plants in U.S. Forests?" 2015 Association of American Geographers Annual Meeting, Chicago, Illinois. April 23, 2015. (Invited)
48. **Potter, K.M.** 2015. "Forest Health Monitoring National Reports: Overview and Update." United States Department of Agriculture, Forest Service, Forest Health Monitoring Virtual Workgroup Session, April 21, 2015. (Invited)
49. **Potter, K.M.** 2015. "Landscape Ecology, Evolution and Conservation: Understanding Forest Function and Guiding Resource Management." Department of Forestry and Environmental Resources, North Carolina State University, Raleigh, North Carolina. April 6, 2015. (Invited)
50. **Potter, K.M.** 2015. "A National Assessment of Tree Species Vulnerability to Climate Change and Other Threats." Appalachian Society of American Foresters, 94<sup>th</sup> Annual Winter Meeting, Columbia, South Carolina, January 23, 2015. (Invited)
51. **Potter, K.M.** 2014. "When (and How) Does Biodiversity Matter? Assessing the Ecological Importance of Evolutionary Diversity across Broad Regions." Forestry and Natural Resources Seminar, Purdue University, West Lafayette, Indiana, November 11, 2014. (Invited)
52. **Potter, K.M.**, C.M. Oswalt, B.V. Iannone, S. Fei, S.N. Oswalt, Q. Guo, and C.W. Woodall. 2014. "Forest Tree Biodiversity Is Correlated with Invasive Plant Diversity across the Southeast." 2014 Society of American Foresters National Convention, Salt Lake City, Utah. October 11, 2014. (Invited)
53. Iannone, B.V., C.M. Oswalt, A.M. Liebhold, Q. Guo, **K.M. Potter**, G.C. Nunez-Mir, S.N. Oswalt, B.C. Pijanowaski, and S. Fei. 2014. "Macroscale Patterns and Drivers of Forest Plant Invasions: A Multidimensional, Region-Specific Perspective." 2014 Society of American Foresters National Convention, Salt Lake City, Utah. October 11, 2014. (Invited)
54. **Potter, K.M.**, F.H. Koch, and C.W. Oswalt. 2014. "Data, Data Everywhere: Detecting Spatial and Temporal Patterns in Fine-Scale Forest Health Information Collected across a Continent." 24<sup>th</sup> International Union of Forest Research Organizations (IUFRO) World Congress, Salt Lake City, Utah. October 11, 2014. (Invited)
55. **Potter, K.M.**, V.D. Hipkins, M.F. Mahalovich, and R.E. Means. 2014. "Evolutionary History and Genetic Diversity of *Pinus ponderosa*: Management Implications for an Important Western Species." 24<sup>th</sup> International Union of Forest Research Organizations (IUFRO) World Congress, Salt Lake City, Utah. October 10, 2014. (Invited)

56. Hargrove, W.W., **K.M. Potter**, and J. Kumar. 2014. "Global Tree Range Shifts under Forecasts from Two Alternative GCMs Using Two Future Scenarios." 24<sup>th</sup> International Union of Forest Research Organizations (IUFRO) World Congress, Salt Lake City, Utah. October 9, 2014. (Invited)
57. Tkacz, B., and **K.M. Potter**. 2014. "The State of Forest Health in the United States and Assessment of Future Risks from Climate Change, Invasive Species, and Air Pollution." 24<sup>th</sup> International Union of Forest Research Organizations (IUFRO) World Congress, Salt Lake City, Utah. October 6, 2014. (Invited)
58. **Potter, K.M.** 2014. "Proposed Framework for Categorizing and Prioritizing Forest Tree Species on National Forest System Lands." Project CAPTURE (Conservation Assessment and Prioritization of Trees Under Threat of Extirpation) Workshop, Nebraska City, Nebraska, March 25, 2014. (Invited)
59. **Potter, K.M.**, C.M. Oswalt, Q. Guo, B.V. Iannone, S.N. Oswalt, S. Fei, and C.W. Woodall. 2013. "Can Forest Evolutionary Diversity and Structure Predict Invasive Plant Success? A South-wide Study." 9<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference, Athens, Georgia, December 9, 2013. (Invited)
60. Iannone, B.V., C.M. Oswalt; **K.M. Potter**, S.N. Oswalt, B.C. Pijanowaski, and S. Fei. 2013. "National Invasive Plant Distribution Patterns and Associations." 9<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference, Athens, Georgia, December 9, 2013. (Invited)
61. Riitters, K.H., **K.M. Potter**, and B. Tkacz. 2013. "Forest Health Monitoring in the United States: Focus on National Reports." International Symposium on Forest Health, Seoul, South Korea, September 25, 2013. (Invited)
62. **Potter, K.M.**, and W.W. Hargrove. 2013. "Dynamic and Quantitative Seed-Transfer Tools to Assist Forest Restoration under Climate Change." Janet Meakin Poor Symposium, Conservation Coming Home: 40<sup>th</sup> Annual Natural Areas Conference, Chicago, Illinois, October 2, 2013. (Invited)
63. **Potter, K.M.**, V.D. Hipkins, M.F. Mahalovich, and R.E. Means. 2013. "Ponderosa Pine Evolutionary History: Surprising Results from the Most Confusing Pine in the West." Department of Forestry and Environmental Resources seminar, North Carolina State University, Raleigh, North Carolina, September 16, 2013. (Invited)
64. **Potter, K.M.** 2013. "What Exactly *Is* Forest Health, Anyway? And How Do I Keep My Forest Healthy?" Extension/outreach seminar, Department of Forest Resources, University of Minnesota, St. Paul, Minnesota, April 25, 2013. (Invited)
65. **Potter, K.M.** 2013. "Forest Ecosystem Health at the Confluence of Landscape, Conservation and Evolution." Research seminar, Department of Forest Resources, University of Minnesota, St. Paul, Minnesota, April 24, 2013. (Invited)
66. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2012. "Forest Tree Species Range Shifts under Two Alternative GCM/Scenario Climate Change Forecasts." Presentation to NASA-National Park Service Climate Change Vulnerability Project (LCCVP), Asheville, North Carolina, November 12, 2012. (Invited)

67. Jetton, R.M., **K.M. Potter**, W.S. Dvorak, V.D. Hipkins, and R. Rhea. 2012. "Population Genetic Structure and Diversity in Eastern Hemlock: Implications for Gene Conservation." 60<sup>th</sup> Annual Meeting of the Entomological Society of America, Knoxville, Tennessee, November 11-14, 2012. (invited)
68. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2012. "What Are the Margins that We Should Monitor? Dark (and Bright!) Corners of the Environmental Envelope." USDA Forest Service 2012 Forest Health Monitoring Workgroup Meeting, Tucson, Arizona, April 16-19, 2012. (Invited)
69. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2012. "Forest Tree Species Range Shifts under Two Alternative GCM/Scenario Climate Change Forecasts." Climate Adaptation in the Northwoods: Information, Tools, and Collaboration workshop, Otsego, Minnesota, March 13-15, 2012. (Invited)
70. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2011. "Toward Gene Conservation Triage: Assessing the Relative Genetic Risk to Forest Trees Affected by Multiple Threats." 96<sup>th</sup> Ecological Society of America Annual Meeting, Austin, Texas, August 8, 2011. (Invited)
71. Hargrove, W.W., **K.M. Potter**, and F.H. Koch. 2011. "Forest Tree Species Range Shifts under Two Alternative GCM/Scenario Climate Change Forecasts." 96<sup>th</sup> Ecological Society of America Annual Meeting, Austin, Texas, August 8, 2011. (Invited)
72. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2011. "Global Tree Range Shifts under Forecasts from Two Alternative GCMs Using Two Future Scenarios." U.S. Fish and Wildlife Northeast Region, Science in Action Seminar Series (virtual), July 14, 2011. (Invited)
73. **Potter, K.M.**, B.S. Crane, W.W. Hargrove, F.H. Koch. 2011. "Adapt, Move, or Die: Assessments of Forest Tree Genetic Degradation Risk Due to Climate Change." 8<sup>th</sup> North American Forest Ecology Workshop, Roanoke, Virginia, June 20, 2011. (Invited)
74. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2011. "Global Tree Range Shifts under Forecasts from Two Alternative GCMs Using Two Future Scenarios Using FIA." Eastern Forest Environmental Threat Assessment Center-Forest Inventory and Analysis Workshop, Knoxville, Tennessee, May 18, 2011. (Invited)
75. **Potter, K.M.**, B.S. Crane, W.W. Hargrove, F.H. Koch. 2011. "Adapt, Move, or Die: Spatially Explicit Assessment of Climate Change Genetic Degradation Risk in Southern Appalachian Forests." 26<sup>th</sup> Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Portland, Oregon, April 4, 2011. (Invited)
76. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2011. "Global Tree Range Shifts under Forecasts from Two Alternative GCMs Using Two Future Scenarios." 26<sup>th</sup> Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Portland, Oregon, April 4, 2011. (Invited)
77. **Potter, K.M.**, and B.S. Crane. 2011. "ForGRAS: A Framework for Assessing the Relative Risk of Genetic Degradation to Forest Trees Affected by Climate Change and Other Threats." First Friday All Climate Change Talks (FFACTs) video conference,

- USDA Forest Service Eastern Forest Environmental Threat Assessment Center (virtual), March 4, 2011. (Invited)
78. **Potter, K.M.**, W.W. Hargrove and F.H. Koch. 2011. "Forecasts of Climate-Associated Shifts in Tree Species (ForeCASTS)." USDA Forest Service Eastern Forest Environmental Threat Assessment Center (EFETAC)/Western Wildland Environmental Threat Assessment Center (WWETAC) technical user group inaugural meeting, Asheville, North Carolina, and Portland, Oregon (virtual), March 3, 2011. (Invited)
79. **Potter, K.M.**, W.W. Hargrove, F.H. Koch, B.S. Crane, R.M. Jetton, W.S. Dvorak, and V.D. Hipkins. 2011. "Adapt, Move, or Die: Spatial Assessments of Forest Tree Genetic Degradation Risk Due to Climate Change." Department of Forestry and Environmental Resources seminar, North Carolina State University, Raleigh, North Carolina, January 31, 2011. (Invited)
80. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2010. "Global Tree Range Shifts under Forecasts from Two Alternative Global Climate Models Using Two Future Scenarios." First Friday All Climate Change Talks (FFACTs) video conference, USDA Forest Service Eastern Forest Environmental Threat Assessment Center (virtual), December 3, 2010. (Invited)
81. **Potter, K.M.**, W.W. Hargrove, F.H. Koch, and V.D. Hipkins. 2010. "Climate Change, Forest Trees and Genetic Peril." Presentation to Duke University Master of Environmental Management and Master of Forestry students, Research Triangle Park, North Carolina, November 19, 2010. (Invited)
82. **Potter, K.M.**, W.W. Hargrove, R.M. Jetton, W.S. Dvorak, V.D. Hipkins, R. Rhea, and W.A. Whittier. 2010. "Of Microsatellites, HWA and Climate Change: Assessing Genetic Diversity, and Threats to It, in the Southern Appalachians." 20<sup>th</sup> Annual Southern Appalachian Man and the Biosphere Conference, Gatlinburg, Tennessee, November 16, 2010. (Invited)
83. **Potter, K.M.**, R.M. Jetton, W.S. Dvorak, V.D. Hipkins, W.W. Hargrove, R. Rhea, and W.A. Whittier. 2010. "Of Microsatellites, HWA and Climate Change: Assessing Genetic Diversity, and Threats to It, Across the Range of Eastern Hemlock." 5<sup>th</sup> Symposium on Hemlock Woolly Adelgid, Asheville, North Carolina, August 18, 2010. (Invited)
84. **Potter, K.M.**, W.W. Hargrove, F.H. Koch, and B.S. Crane. 2010. "Climate Change, Forest Trees, and Genetic Peril." Presentation to USDA Forest Service Washington Office policy analysis interns, Raleigh, North Carolina, July 27, 2010. (Invited)
85. **Potter, K.M.**, W.W. Hargrove, F.H. Koch, and B.S. Crane. 2010. "Forest Trees, Climate Change and Genetic Peril: Range Modeling for North Carolina and Beyond." North Carolina Climate Change Coordination Meeting, Raleigh, North Carolina, June 3, 2010. (Invited)
86. **Potter, K.M.**, R.M. Jetton, W.S. Dvorak, V.D. Hipkins, and R. Rhea. 2010. "Range-wide Eastern Hemlock Genetic Variation Study: Status Update and Results from the South." First Meeting of the Working Group on Genetics and Host Resistance in Hemlock, Raleigh, North Carolina, May 25, 2010. (Invited)
87. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2010. "A Spatially Explicit Assessment of Climate Change Genetic Risk to 200 Forest Tree Species." USDA Forest Service

- Forest Genetic Research Management Climate Change Workshop, Corvallis, Oregon, March 3, 2010. (Invited)
88. **Potter, K.M.**, W.W. Hargrove, F.H. Koch, and W.D. Smith. 2010. "Do Southern Hardwood Forests Have a Future?" 57<sup>th</sup> Annual Southern Hardwood Forest Research Group Meeting, Stoneville, Mississippi, March 2, 2010. (Invited)
89. **Potter, K.M.** 2008. "Forest Community Phylogenetics: Exploring Evolutionary Ecology Across Multiple Spatial Scales." Department of Forestry and Environmental Resources seminar, North Carolina State University, Raleigh, North Carolina, April 14, 2008. (Invited)
90. Whittier, W.A., R.M. Jetton, W.S. Dvorak, and **K.M. Potter**. 2008. "Status of Ex Situ Conservation Efforts for Eastern and Carolina Hemlock in the Southeastern United States." 4<sup>th</sup> Symposium on Hemlock Woolly Adelgid, Hartford, Connecticut, February 12-14, 2008. (Invited)
91. **Potter, K.M.** 2008. "Population Genetics and Gene Conservation of Southern Appalachian Hemlocks and Firs." Department of Biological Sciences seminar, East Tennessee State University, Johnson City, Tennessee, Feb. 27, 2008. (Invited)
92. **Potter, K.M.** 2008. "Forest Tree Genotypic Responses to Climate Change." Panelist presentation, Climate Change and Forest Health Focus Group, USDA Forest Service Forest Health Monitoring 14<sup>th</sup> Annual Workgroup Meeting, San Antonio, Texas, Feb. 13, 2008. (Invited)
93. **Potter, K.M.** 2007. "Population Genetics of Fraser Fir, Eastern Hemlock and Carolina Hemlock." Conference of the Partnership for Saving Threatened Forests, Raleigh, North Carolina, November 29, 2007. (Invited)
94. **Potter, K.M.** 2007. "Forest Ecosystem Health at the Confluence of Landscape Ecology, Conservation and Evolution." Research seminar, Department of Forestry and Environmental Resources, North Carolina State University, February 16, 2007. (Invited)
95. **Potter, K.M.** 2005. "Fragmentation, Invasion and Gene Conservation: Lessons from Fraser Fir." Research seminar, Department of Biology, University of Northern Iowa, November 29, 2005. (Invited)
96. **Potter, K.M.** 2005. "The Ecology and Impact of Invasive Species: An Introduction." Teaching presentation, Department of Biology, University of Northern Iowa, November 28, 2005. (Invited)
97. **Potter, K.M.** 2002. "Fraser Fir (*Abies fraseri*): A Species Overview." Institute of Forest Biotechnology Heritage Tree Workshop, Research Triangle Park, North Carolina, Dec. 11, 2002. (Invited)

### **Research presentations, contributed**

1. **Potter, K.M.**, K.H. Riitters. 2022. "A National Multi-Scale Assessment of Regeneration Deficit as an Indicator of Potential Risk of Forest Genetic Variation Loss." 2022 North American Forest Ecology Workshop (virtual), June 23, 2022.
2. **Potter, K.M.**, S. Cordell, C. Giardina, F. Hughes, O. Kuegler, A. Koch. 2022. "How Invaded are Hawaiian Forests? Overstory Importance of Native Trees Contrasts with

- Understory Dominance of Non-native Plants.” 2022 North American Forest Ecology Workshop (virtual), June 21, 2022.
3. **Potter, K.M.**, S. Cordell, C. Giardina, F. Hughes, O. Kuegler, A. Koch. 2022. “How Invaded are Hawaiian Forests? Top-down and Bottom-up Views Provide Contrasting Assessments of Degradation by Non-native Plants.” International Biogeography Society 10<sup>th</sup> Biennial Conference (virtual), June 3, 2022.
  4. **Potter, K.M.**, K.H. Riitters, S. Cordell, C. Giardina, F. Hughes, O. Kuegler, E. Yuen, and A. Koch. 2021. “Aliens among us: National and regional patterns of non-native plant invasions in U.S. forests.” 2021 Society of American Foresters National Convention (virtual), November 5, 2021.
  5. **Potter, K.M.**, B.V. Iannone, and K.H. Riitters. 2021. “Forest plant invasions at the Eastern U.S. wildland-urban interface.” 2021 Ecological Society of America virtual meeting (virtual), August 2, 2021.
  6. Ardón, M.S; **K.M. Potter**, E. White, and C. Woodall. 2021. “Climate and sea level rise-driven forest mortality along the southeastern and Gulf coasts in the U.S.” 2021 Ecological Society of America virtual meeting (virtual), August 2, 2021.
  7. **Potter, K.M.**, S. Cordell, C. Giardina, F. Hughes, O. Kuegler, A. Koch, E. Yuen, T. Schappe, Y. Li, X. Ma, and H. Zhu. 2021. “Effective Hawaiian forest conservation and invasive plants: Evidence for the role of management from the Forest Inventory and Analysis (FIA) program.” 28<sup>th</sup> Hawai‘i Conservation Conference (virtual), July 27, 2021.
  8. **Potter, K.M.**, R.M. Jetton, B.S. Crane, V.D. Hipkins, C. Echt, W.A. Whittier, and G. Hodge. 2021. “Rangewide Patterns of Genetic Diversity in Table Mountain Pine (*Pinus pungens*), an Appalachian Endemic.” 36<sup>th</sup> Southern Forest Tree Improvement Conference (virtual), June 7, 2021.
  9. **Potter, K.M.**, S. Cordell, C. Giardina, F. Hughes, O. Kuegler, A. Koch, E. Yuen, T. Schappe, Y. Li, X. Ma, and H. Zhu. 2021. “Effective Hawaiian forest conservation and invasive plants: Evidence for the role of management.” 2021 Biodiversity Without Borders virtual conference, April 28, 2021.
  10. **Potter, K.M.**, Q. Guo, and S. Fei. 2020. “Broad-scale Associations between Forest Evolutionary Diversity and Exotic Pest Invasions.” 2020 Annual Meeting of the North American Regional Chapter of the International Association for Landscape Ecology, remote virtual conference, May 12, 2020. (online poster)
  11. Riitters, K.H., **K.M. Potter**, B.V. Iannone, C.M. Oswalt, S. Fei, and Q. Guo. 2020. “Historical and Future Roles of Forest Protection to Manage Exposure of Eastern U.S. Forests to Invasive Plants.” 2020 Annual Meeting of the North American Regional Chapter of the International Association for Landscape Ecology, remote virtual conference, May 12, 2020. (online poster)
  12. Whittier, A., R.M. Jetton, G.R. Hodge, **K.M. Potter**, A.E. Mayfield, and R. Rhea. 2020. “Assessing Carolina Hemlock Health in the Southern Appalachian Mountains Following Hemlock Woolly Adelgid Infestation.” 2020 Forest Health Monitoring Workshop, Raleigh, North Carolina, February 24-27, 2020. (poster)

13. **Potter, K.M.**, and K.H. Riitters. 2019. "Leveraging the Forest Inventory and Analysis Design in a National, Spatially Explicit Assessment of Forest Tree Genetic Degradation Risk." 2019 Forest Inventory and Analysis (FIA) Stakeholder Science Meeting, Knoxville, Tennessee, November 19, 2019.
14. **Potter, K.M.**, M.E. Escanferla, B.S. Crane, R.M. Jetton, and G. Man. 2019. "Identifying United States Tree Species Most Vulnerable to Genetic Degradation." 25<sup>th</sup> International Union of Forest Research Organizations (IUFRO) World Congress, Curitiba, Brazil, October 4, 2019.
15. **Potter, K.M.**, M.E. Escanferla, R.M. Jetton, and G. Man. 2019. "Invasive Insect and Disease Threats to United States Tree Species and Geographic Patterns of Their Potential Impacts." 25<sup>th</sup> International Union of Forest Research Organizations (IUFRO) World Congress, Curitiba, Brazil, October 2, 2019.
16. Willyard, A., D. Gernandt, S.K. Langer, A. Lopez Reyes, and **K.M. Potter**. 2019. "Mitochondrial Phylogeography of the Ponderosa Pines in the USA and Mexico." Botany 2019, Tucson, Arizona, July 27-31, 2019.
17. **Potter, K.M.**, M.E. Escanferla, R.M. Jetton, and B.S. Crane. 2019. "Prioritizing the Conservation Needs of U.S. Tree Species: Evaluating Vulnerability to Forest Pests." 35<sup>th</sup> Southern Forest Tree Improvement Conference, Lexington, Kentucky, June 4, 2019.
18. **Potter, K.M.**, R.M. Jetton, A.R. Campbell, J.M. Hastings, V.D. Hipkins, S.A. Jossierand, C.D. Nelson, W.S. Dvorak. 2019. "Molecular Genetics and the Effort to Conserve Southern Hemlocks Decimated by Hemlock Woolly Adelgid." 35<sup>th</sup> Southern Forest Tree Improvement Conference, Lexington, Kentucky, June 4, 2019.
19. Crane, B.S., A. Whittier, R.M. Jetton, and **K.M. Potter**. 2019. "Camcore and the Forest Service National Forest System: A Ten-Year Partnership in Tree Conservation." 35<sup>th</sup> Southern Forest Tree Improvement Conference, Lexington, Kentucky, June 4, 2019. (poster)
20. **Potter, K.M.**, M.E. Escanferla, R.M. Jetton, and G. Man. 2019. "Insect and Disease Threats to United States Tree Species and Geographic Patterns of Their Potential Impacts." Ninth Biennial Conference of the International Biogeography Society, Malaga, Spain, January 10, 2019.
21. **Potter, K.M.** 2019. "Do United States Protected Areas Effectively Conserve Forest Tree Rarity and Evolutionary Distinctiveness?" Ninth Biennial Conference of the International Biogeography Society, Malaga, Spain, January 9-11, 2019. (poster)
22. **Potter, K.M.**, M.E. Escanferla, R.M. Jetton, and G. Man. 2019. "Insect and Disease Threats to United States Tree Species and Geographic Patterns of Their Potential Impacts." Ninth Biennial Conference of the International Biogeography Society, Malaga, Spain, January 9-11, 2019. (poster)
23. **Potter, K.M.**, M.E. Escanferla, B.S. Crane, R.M. Jetton, and G. Man. 2018. "A National Prioritization of United States Tree Species Threatened by Insect and Disease Infestation." Sixth International Workshop on the Genetics of Tree-Parasite Interactions, Mount Sterling, Ohio, August 9, 2018.

24. Nelson, C.D., J. Koch, **K.M. Potter**, S. McCord, A. Costanza, and A. Abbott. 2018. "Better Forest Health through Tree Resistance: Collaborative Approaches." Sixth International Workshop on the Genetics of Tree-Parasite Interactions, Mount Sterling, Ohio, August 9, 2018.
25. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2018. "Prioritizing U.S. Tree Species for Gene Conservation in the Face of Climate Change and Other Threats." North American Congress for Conservation Biology, Toronto, Ontario, Canada, July 23, 2018.
26. **Potter, K.M.** 2018. "Where the Rare Things Are: A Multi-Scale Assessment of Geographic and Evolutionary Rarity Across U.S. Forests." 2018 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Chicago, Illinois, April 11, 2018.
27. **Potter, K.M.**, and K.H. Riitters. 2018. "A National, Spatially Explicit Assessment of Forest Tree Genetic Degradation Risk." 2018 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Chicago, Illinois, April 11, 2018.
28. Jo, I., **K.M. Potter**, G. Domke, and S. Fei. 2018. "Relationship Between Dominant Forest Mycorrhizal Type and Understory Invasions in Eastern U.S. Forests." 2018 Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, Chicago, Illinois, April 10, 2018.
29. **Potter, K.M.** 2017. "Assessing Forest Conservation Value Using Forest Inventory and Analysis (FIA) Data." 2017 Forest Inventory and Analysis Stakeholder Science Meeting, Park City, Utah, October 24, 2017.
30. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2017. "Toward Gene Conservation Triage: A United States National Prioritization of Tree Species Threatened by Climate Change." IUFRO 125<sup>th</sup> Anniversary Congress, Freiburg, Germany, September 18, 2017.
31. **Potter, K.M.**, F.H. Koch, C.M. Oswalt, and B.V. Iannone. 2017. "Data, Data Everywhere: Detecting Spatial Patterns in Fine-Scale Forest Health Data Collected across a Continent." IUFRO 125<sup>th</sup> Anniversary Congress, Freiburg, Germany, September 20, 2017. (poster)
32. Koch, F.H., D. Yemshanov, R.C. Venette, and **K.M. Potter**. 2017. "Coping with Climate Uncertainty in Projected Ranges of Pests Using Hypervolumes." 11<sup>th</sup> Meeting of the International Pest Risk Research Group, Ottawa, Canada, August 29, 2017.
33. **Potter, K.M.**, B.S. Crane, V.D. Hipkins, and W.W. Hargrove. 2017. "Project CAPTURE: A U.S. National Prioritization Framework for Forest Tree Species Vulnerable to Climate Change and Other Threats." 11<sup>th</sup> North American Forest Ecology Workshop, Edmonton, Alberta, Canada, June 22, 2017.
34. Iannone, B.V., **K.M. Potter**, K-A. Dixon Hamil, W. Huang, H. Zhang, Q. Guo, C.M. Oswalt, C.W. Woodall, and S. Fei. 2017. "Evidence of Biotic Resistance to Nonnative Invasions in Eastern Forests: A Macroscale Study." 11<sup>th</sup> North American Forest Ecology Workshop, Edmonton, Alberta, Canada, June 22, 2017.



35. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2017. "Project CAPTURE: A U.S. National Prioritization Framework for Forest Tree Species Threatened by Climate Change." Southern Forest Tree Improvement Conference 34<sup>th</sup> Meeting, Melbourne, Florida, June 19-22, 2017. (poster)
36. **Potter, K.M.** 2017. "U.S. Protected Areas Do Not Adequately Conserve Forest Tree Species Rarity." Eighth Biennial Conference of the International Biogeography Society, Tucson, Arizona, January 12, 2017.
37. Russell, M.B., C.W. Woodall, **K.M. Potter**, B.F. Walters, G.M. Domke, and C.M. Oswalt. 2016. "White-tailed deer in the Upper Midwest: Interactions between deer density, invasive plants, and Lyme disease." Upper Midwest Invasive Species Conference, La Crosse, Wisconsin, Oct.19, 2016.
38. Fei, S., A.M. Liebhold, H. Zhang, C.M. Oswalt, Q. Guo, **K.M. Potter**, B. Hardiman, W. Hargrove, R. Haight, B.V. Iannone, B.C. Pijanowski, and I. Jo. 2016. "Modeling Invasion Dynamics Across Scales (MIDAS)." National Science Foundation Macrosystems Biology and Early NEON Science Principal Investigators Meeting, Arlington, Virginia. September 29, 2016. (poster)
39. **Potter, K.M.**, F.H. Koch, C.M. Oswalt, and B.V. Iannone. 2016. "Data, Data Everywhere: Detecting Spatial Patterns in Fine-Scale Forest Health Data Collected across a Continent." EcoSummit 2016, Montpellier, France, September 1, 2016.
40. **Potter, K.M.** 2016. "Rarity and Evolutionary Distinctiveness: Tools to Prioritize Species and Landscapes for Conservation." Ecological Society of America Annual Meeting, Fort Lauderdale, Florida, August 11, 2016.
41. **Potter, K.M.**, D.J. Shinneman, R.E. Means, V.D. Hipkins, and M.F. Mahalovich. 2016. "Synthesizing Genetic Divergence and Climate Modeling to Inform Conservation Planning for Ponderosa Pine." Banking on the Future: Gene Conservation of Forest Trees workshop, Chicago, Illinois, May 19, 2016.
42. Crane, B.S., and **K.M. Potter**. 2016. "USDA Forest Service Southern Region: It's All about GRITS." Banking on the Future: Gene Conservation of Forest Trees workshop, Chicago, Illinois, May 17, 2016.
43. **Potter, K.M.**, A.R. Campbell, S.A. Josserand, C.D. Nelson, and R.M. Jetton. 2016. "Population Isolation Results in High Inbreeding and Differentiation in Carolina Hemlock (*Tsuga caroliniana*), an Imperiled Southern Appalachian Conifer." Banking on the Future: Gene Conservation of Forest Trees workshop, Chicago, Illinois, May 16-19, 2016. (poster)
44. **Potter, K.M.**, C.W. Woodall, C.M. Oswalt, B.V. Iannone, and S. Fei. 2015. "When Does Biodiversity Matter? Assessing Ecosystem Services across Broad Regions using Forest Inventory and Analysis Data." 2015 Forest Inventory and Analysis Science Symposium: Moving from Status to Trends, Portland, Oregon, December 10, 2015.
45. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2015. "Project CAPTURE: Using Forest Inventory and Analysis Data to Prioritize Tree Species for Conservation, Management, and Restoration." 2015 Forest Inventory and Analysis Science Symposium: Moving from Status to Trends, Portland, Oregon, December 10, 2015.

46. **Potter, K.M.**, B.V. Iannone, H. Zhang, C.M. Oswalt, Q. Guo, C.W. Woodall, and S. Fei. 2015. "Using Forest Inventory and Analysis Data to Understand Biotic Resistance to Plant Invasions." 2015 Forest Inventory and Analysis Science Symposium: Moving from Status to Trends, Portland, Oregon, December 8, 2015.
47. Hastings, J., **K.M. Potter**, M. Megalos, F.H. Koch, and R.M. Jetton. 2015. "Using Climate and Genetic Diversity Data to Prioritize Conservation Seed Banking for Imperiled Hemlock Species." 10<sup>th</sup> Southern Forestry and Natural Resource Management GIS Conference, Athens, Georgia, December 7-8, 2015. (poster)
48. **Potter, K.M.**, B.V. Iannone, C.M. Oswalt, Q. Guo, H. Zhang, C.W. Woodall, and S. Fei. 2015. "Biodiversity, Biomass, and Resistance to Plant Invasion across the Eastern United States." 13<sup>th</sup> International Conference on the Ecology and Management of Alien Plant Invasions, Waikoloa, Hawaii. September 24, 2015.
49. Fei, S., B.V. Iannone, **K.M. Potter**, Q. Guo, C.M. Oswalt, B.C. Pijanowski, and A.M. Liebhold. 2015. "Macrosystems Invasion Patterns and Processes." 13<sup>th</sup> International Conference on the Ecology and Management of Alien Plant Invasions, Waikoloa, Hawaii. September 24, 2015.
50. **Potter, K.M.**, B.V. Iannone, C.M. Oswalt, C.W. Woodall, and S. Fei. 2015. "When (and Where) Does Biodiversity Matter? The Ecological Importance of Evolutionary Diversity Across Broad Regions." International Union of Forest Research Organizations (IUFRO) Landscape Ecology Conference, Tartu, Estonia. August 26, 2015.
51. Nelson, M.D., C.H. Flather, K.H. Riitters, C. Sieg, J.D. Garner, and **K.M. Potter**. 2015. "Conservation of Biological Diversity: Results from the United States National Report on Sustainable Forests – 2015." International Union of Forest Research Organizations (IUFRO) Landscape Ecology Conference, Tartu, Estonia. August 24, 2015.
52. Hastings, J., R.M. Jetton, **K.M. Potter**, M. Megalos, F.H. Koch. 2015. "Using Climate and Genetic Diversity Data to Prioritize Conservation Seed Banking." North Carolina State University Marine, Earth and Atmospheric Sciences/Forestry and Environmental Resources Graduate Research Symposium, Raleigh, North Carolina, August 18, 2015. (poster)
53. Iannone, B.V., **K.M. Potter**, H. Zhang, C.M. Oswalt, Q. Guo, C.W. Woodall, K-A. Dixon Hamil, W. Huang, and S. Fei. 2015. "Determining Sub-continental Patterns of Biotic Resistance: A North American Forest Case Study." Ecological Society of America Annual Meeting, Baltimore, Maryland, August 14, 2015.
54. Fei, S., **K.M. Potter**, B.V. Iannone, Q. Guo, G.C. Nunez-Mir, T.L. Clark. 2015. "Understanding Spatiotemporal Invasion Patterns through a Macroecosystem Approach." Ecological Society of America Annual Meeting, Baltimore, Maryland, August 9-14, 2015. (poster)
55. Heath, L., S. Anderson, M. Emery, J. Hicke, J. Littell, J. Masek, M. Mockrin, D. Peterson, R. Pouyat, **K.M. Potter**, G. Robertson, and J. Sperry. 2015. "Recommended Forest Indicators for the U.S. National Climate Assessment Indicators System." Ecological Society of America Annual Meeting, Baltimore, Maryland, August 9-14, 2015. (poster)

56. Crane, B.S., **K.M. Potter**, and R. Makowski. 2015. "Trees Will Adapt, Migrate, or Die." 18<sup>th</sup> Biennial Southern Silvicultural Research Conference, Knoxville, Tennessee. March 3, 2015.
57. Jetton, R.M., A.R. Campbell, **K.M. Potter**, A. Mayfield, W.A. Whittier, W.S. Dvorak, and J. Rhea. 2014. "Hemlock Woolly Adelgid, Carolina Hemlock, and Genetic Resource Conservation: Planning for Species Restoration under Novel Environmental Conditions." Entomological Society of America Annual Meeting, Portland, Oregon. November 18, 2014.
58. **Potter, K.M.**, and C.W. Woodall. 2014. "Does Biodiversity Make a Difference? Evolutionary Diversity Indicators of Forest Ecosystem Function across Broad Regions." 24<sup>th</sup> International Union of Forest Research Organizations (IUFRO) World Congress, Salt Lake City, Utah. October 5-11, 2014. (poster)
59. **Potter, K.M.**, F.H. Koch, and C.M. Oswalt. 2014. "Data, Data Everywhere: Detecting Spatial and Temporal Patterns in Fine-Scale Forest Health Information Collected across a Continent." 2014 Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Anchorage, Alaska. May 21, 2014.
60. **Potter, K.M.**, C.M. Oswalt, S. Fei, B.V. Iannone, Q. Guo, S.N. Oswalt, and C.W. Woodall. 2014. "Relationships between Forest Tree Biodiversity and Invasive Plant Success across the Southeastern United States." 2014 Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Anchorage, Alaska. May 21, 2014.
61. Iannone, B.V., C.M. Oswalt, **K.M. Potter**, S.N. Oswalt, A. Fowler, B.C. Pijanowaski, and S Fei. 2014. "Emerging Regional Patterns of Forest Plant Invasions as Revealed by FIA Monitoring Data." 25<sup>th</sup> United States Department of Agriculture Interagency Research Forum on Invasive Species, Annapolis, Maryland. January 7-10, 2014. (poster)
62. Hargrove, W.W., J. Kumar, **K.M. Potter**, and F.M. Hoffman. 2013. "Global Tree Range Shifts under Forecasts from Two Alternative GCMs Using Two Future Scenarios." American Geophysical Union (AGU) Fall Meeting, San Francisco, California, December 2013.
63. Venette, R.C., F.H. Koch, D. Yemshanov, and **K.M. Potter**. 2013. "Insect Distributions under Climate Change: Addressing Uncertainties for Policymakers." Entomological Society of America Annual Meeting, Austin, Texas. November 12, 2013.
64. **Potter, K.M.**, R.M. Jetton, W.S. Dvorak, V.D. Hipkins, J. Rhea, and W.A. Whittier. 2013. "Range-Wide Assessment of Genetic Variation and Structure in Eastern Hemlock, an Imperiled Conifer, Using Microsatellites." Alliance for Saving Threatened Forests 2013 Symposium, Asheville, North Carolina, October 29-30, 2013. (poster)
65. **Potter, K.M.**, V.D. Hipkins, M.F. Mahalovich, and R.E. Means. 2013. "Evolutionary History of *Pinus ponderosa*: Range-wide Molecular Marker Findings." Society of American Foresters 2013 National Convention. North Charleston, South Carolina. October 25, 2013.

66. **Potter, K.M.** 2013. "A National Conservation Assessment and Prioritization of Tree Species and Populations at Risk." Seventh International Pest Risk Modeling and Mapping Workshop, Raleigh, North Carolina, October 15, 2013.
67. **Potter, K.M.** and C.W. Woodall. 2013. "Regional Trends in Forest Tree and Seedling Phylogenetic Diversity Change in the Eastern United States." INTECOL 2013, London, England, August 22, 2013.
68. Kumar, J., F.M. Hoffman, W.W. Hargrove, and **K.M. Potter**. 2013. "Imputation of Continuous Tree Suitability over the Continental United States from Sparse Measurements." Ecological Society of America Annual Meeting, Minneapolis, Minnesota, August 6, 2013.
69. **Potter, K.M.**, V.D. Hipkins, M.F. Mahalovich, and R.E. Means. 2013. "Ponderosa Pine Evolutionary History and Genetic Variation: Results from a Range-wide Mitochondrial Study." IUFRO Forest Genetics 2013. Whistler, British Columbia, July 25, 2013.
70. **Potter, K.M.**, C.W. Woodall and F.H. Koch. 2013. "Phylogenetic Community Structure of Forests across the Conterminous United States: Patterns and Forest Health Implications." 9<sup>th</sup> North American Forest Ecology Workshop, Bloomington, Indiana, June 20, 2013.
71. **Potter, K.M.**, and W.W. Hargrove. 2013. "A Global Quantitative Method for Determining Suitable Seed Transfer Locations under Climate Change." 2013 Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Austin, Texas, April 16, 2013.
72. Kumar, J., W.W. Hargrove, F.M. Hoffman and **K.M. Potter**. 2013. "Imputation of Continuous Tree Suitability over the Continental United States from Sparse Measurements." 2013 Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Austin, Texas, April 16, 2013.
73. **Potter, K.M.**, and C.W. Woodall. 2013. "Evolutionary Diversity as an Indicator of Forest Function and Change." 2013 Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Austin, Texas, April 15, 2013.
74. **Potter, K.M.**, and C.W. Woodall. 2012. "Incorporating Evolutionary Relationships into Regional Assessments of Forest Biodiversity Across Forest Inventory and Analysis (FIA) Plots." 2012 Forest Inventory and Analysis Science Symposium: Moving from Status to Trends, Baltimore, Maryland, December 4, 2012.
75. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2012. "Adapt, Move, or Die: FIA Data in Assessments of Forest Tree Genetic Degradation Risk from Climate Change and Other Threats." 2012 Forest Inventory and Analysis Science Symposium: Moving from Status to Trends, Baltimore, Maryland, December 4, 2012.
76. **Potter, K.M.**, and W.W. Hargrove. 2012. "Tools for Factoring Climate Change into American Chestnut Restoration Efforts." 2012 American Chestnut Summit, Asheville, North Carolina, October 20-21, 2012 (poster).
77. **Potter, K.M.**, and C.W. Woodall. 2012. "Incorporating Evolutionary Relationships into Regional Assessments of Plot-Level Forest Biodiversity." IUFRO Second

- International Conference on Biodiversity in Forested Ecosystems and Landscapes, Cork, Ireland, August 31, 2012.
78. **Potter, K.M.**, B.S. Crane, and W.W. Hargrove. 2012. "Assessing the Risk of Climate Change and Other Threats to Forest Biodiversity across the U.S. Southern Appalachian Region." IUFRO Second International Conference on Biodiversity in Forested Ecosystems and Landscapes, Cork, Ireland, August 28, 2012.
  79. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2012. "Spatial Assessments of Forest Tree Genetic Degradation Risk from Climate Change (SO-EM-09-01)." USDA Forest Service 2012 Forest Health Monitoring Workgroup Meeting, Tucson, Arizona, April 16-19, 2012 (poster).
  80. Hargrove, W.W., **K.M. Potter**, F.H. Koch, and F.M. Hoffman. 2011. "Forest Tree Species Range Shifts under Two Alternative Climate Change Forecasts." 21<sup>th</sup> Annual Southern Appalachian Man and the Biosphere Conference, Gatlinburg, Tennessee, November 15-17, 2011.
  81. **Potter, K.M.**, and W.W. Hargrove. 2011. "Determining Suitable Locations for Seed Transfer under Climate Change: A Global Quantitative Method." IUFRO Restoring Forests: Advances in Techniques and Theory, Madrid, Spain, September 27, 2011.
  82. **Potter, K.M.**, and C.W. Woodall. 2011. "Combining Tree Demography and Evolutionary History to Detect Potential Climate Change Effects on Regional Forest Diversity." 8<sup>th</sup> North American Forest Ecology Workshop, Roanoke, Virginia, June 23, 2011.
  83. **Potter, K.M.**, and B.S. Crane. 2011. "A Multi-Species Assessment of Relative Genetic Degradation Risk from Climate Change and Other Threats." 31<sup>st</sup> Southern Forest Tree Improvement Conference, Biloxi, Mississippi, June 13-16, 2011. (poster)
  84. **Potter, K.M.**, R.M. Jetton, W.S. Dvorak, V.D. Hipkins, J. Rhea, and W.A. Whittier. 2011. "Range-Wide Assessment of Genetic Variation and Structure in Eastern Hemlock, an Imperiled Conifer, Using Microsatellites." 31<sup>st</sup> Southern Forest Tree Improvement Conference, Biloxi, Mississippi, June 13-16, 2011. (poster)
  85. Crane, B.S., and **K.M. Potter**. 2011. "Silviculture and the Assessment of Climate Change Genetic Risk for Southern Appalachian Forest Tree Species." 16th Biennial Southern Silvicultural Research Conference (BSSRC), Charleston, South Carolina, February 15, 2011.
  86. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2010. "Population-Level Assessment of Climate Change Genetic Risk in North American Forest Trees." 20<sup>th</sup> Annual Southern Appalachian Man and the Biosphere Conference, Gatlinburg, Tennessee, November 16, 2010 (poster).
  87. **Potter, K.M.**, and B.S. Crane. 2010. "Assessing Forest Tree Genetic Risk across the Southern Appalachians: A Tool for Conservation Decision-Making in Changing Times." Forest Landscapes and Global Change: New Frontiers in Management, Conservation and Restoration, IUFRO Landscape Ecology International Conference, Braganca, Portugal, September 23, 2010.
  88. **Potter, K.M.**, and C.W. Woodall. 2010. "Combining Forest Tree Demography and Evolutionary History to Detect Potential Climate Change Effects on Regional

- Biodiversity.” Forest Inventory and Analysis (FIA) 2010 Symposium, Knoxville, Tennessee, October 5-7, 2010 (poster).
89. **Potter, K.M.**, and C.W. Woodall. 2010. “Combining Forest Tree Demography and Evolutionary History to Detect Potential Climate Change Effects on Regional Biodiversity.” Forest Landscapes and Global Change: New Frontiers in Management, Conservation and Restoration, IUFRO Landscape Ecology International Conference, Braganca, Portugal, September 21-24, 2010 (poster).
  90. **Potter, K.M.**, R.M. Jetton, W.S. Dvorak, J. Frampton, and R. Rhea. 2010. “*Ex situ* Seed Collection Represents Genetic Variation Present in Natural Stands of Carolina Hemlock.” 5<sup>th</sup> Symposium on Hemlock Woolly Adelgid, Asheville, North Carolina, August 17-19, 2010 (poster).
  91. **Potter, K.M.**, W.W. Hargrove, F.H. Koch, and V.D. Hipkins. 2010. “Population-level Assessment of Climate Change Genetic Risk in North American Forest Trees.” Botany 2010 conference, Providence, Rhode Island, August 4, 2010.
  92. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2010. “Assessing Forest Tree Risk of Genetic Degradation from Climate Change.” USDA Forest Service Forest Health Monitoring 16<sup>th</sup> Annual Workgroup Meeting, Albuquerque, New Mexico, Jan. 25-28, 2010 (poster).
  93. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2009. “North American Forest Trees, Climate Change and Genetic Peril: Range Modeling in Action.” 19<sup>th</sup> Annual Southern Appalachian Man and the Biosphere Conference, Asheville, North Carolina, November 17-19, 2009.
  94. Crane, B.S., and **Potter, K.M.** 2009. “Rating the Risk of Climate Change to Southern Appalachian Tree Species: A Tool for Gene Conservation Decision Making.” 19<sup>th</sup> Annual Southern Appalachian Man and the Biosphere Conference, Asheville, North Carolina, November 17-19, 2009.
  95. **Potter, K.M.**, and W.D. Smith. 2009. “Integrating Phylogenetics and GIS Analyses to Assess the Potential Ecosystem Impacts of Sudden Oak Death.” Genomics of Forest and Ecosystem Health in the Fagaceae (Beech Family) conference, Research Triangle Park, North Carolina, November 10-13, 2009.
  96. **Potter, K.M.** 2009. “A Case for Incorporating Evolutionary Relationships into Pest Risk Mapping.” Third International Workshop on Pest Risk Mapping, Pescadero, California, August 11-13, 2009.
  97. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2009. “Assessing the Potential Genetic Impacts of Climate Change to North American Forest Tree Species.” 30<sup>th</sup> Southern Tree Improvement Conference, Blacksburg, Virginia, May 31-June 3, 2009.
  98. Jetton, R.M., W.S. Dvorak, **K.M. Potter**, W.A. Whittier, and R. Rhea. 2009. “Genetic Diversity and Ex Situ Gene Conservation of Eastern and Carolina Hemlocks Threatened by the Hemlock Woolly Adelgid in the Southern Appalachian Mountains.” 30<sup>th</sup> Southern Tree Improvement Conference, Blacksburg, Virginia, May 31-June 3, 2009.
  99. **Potter, K.M.**, W.W. Hargrove, and F.H. Koch. 2009. “Predicting Climate Change Extirpation Risk for Central and Southern Appalachian Forest Tree Species.”

- Conference on Ecology and Management of High-Elevation Forests of the Central and Southern Appalachian Mountains, Snowshoe, West Virginia, May 14-15, 2009.
100. **Potter, K.M.**, J. Frampton, S.A. Josserand, and C.D. Nelson. 2009. "Evolutionary History and Population Genetics of Fraser Fir and Intermediate Fir, Southern Appalachian Endemic Conifers Imperiled by an Exotic Pest and Climate Change." Conference on Ecology and Management of High-Elevation Forests of the Central and Southern Appalachian Mountains, Snowshoe, West Virginia, May 14-15, 2009.
  101. **Potter, K.M.** 2009. "Detecting Large-Scale Spatial Hot Spots of Forest Fire Occurrence Using MODIS Satellite Data." USDA Forest Service Forest Health Monitoring 15<sup>th</sup> Annual Workgroup Meeting, Savannah, Georgia, Feb. 23-27, 2009 (poster).
  102. **Potter, K.M.** and F.H. Koch. 2008. "From Genes to Ecosystems: Measuring Evolutionary Diversity and Community Structure with FIA Data." 2008 Forest Inventory and Analysis (FIA) Symposium, Park City, Utah, Oct. 23, 2008.
  103. **Potter, K.M.** 2008. "At the Intersection of Landscape, Genetics and Ecology: Community Phylogenetics and Multiple Scales." 23<sup>th</sup> Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Madison, Wisconsin, April 9, 2008.
  104. **Potter, K.M.**, and F.H. Koch. 2008. "The Evolutionary History of Forest Tree Communities: A New Tool for Assessing Forest Health." USDA Forest Service Forest Health Monitoring 14<sup>th</sup> Annual Workgroup Meeting, San Antonio, Texas, Feb. 11-14, 2008 (poster).
  105. Josserand, S.A., B.M. Shamblin, **K.M. Potter**, C.J. Nairn, C.S. Echt, and C.D. Nelson. 2008. "Genomic Markers for Carolina Hemlock, Eastern Hemlock, and Five Other Tsuga Species." 4<sup>th</sup> Symposium on Hemlock Woolly Adelgid, Hartford, Connecticut, Feb. 12-14, 2008 (poster).
  106. **Potter, K.M.** 2007. "Integrating Landscape Ecology, Genetics and Conservation Biology in the Exploration of Forest Health." Joint meeting of the USDA Forest Service Eastern Forest Environmental Threat Assessment Center and Western Wildland Environmental Threat Assessment Center, Pawley's Island, South Carolina, September 11, 2007.
  107. **Potter, K.M.**, W.S. Dvorak, J. Frampton, R.M. Jetton, W.A. Whittier, and M. Tighe. 2007. "Genetic diversity and conservation of Carolina hemlock (*Tsuga caroliniana*), a rare and threatened southern Appalachian conifer." Botany-Plant Biology Joint Congress, Chicago, Illinois, July 10, 2007.
  108. **Potter, K.M.**, J. Frampton, S. Josserand, and C.D. Nelson. 2006. "The recent evolutionary history of the eastern North American firs (*Abies*): A microsatellite study." Botany 2006 conference, Chico, California, August 1, 2006.
  109. **Potter, K.M.**, S. Josserand, J. Frampton, and C.D. Nelson. 2005. "A microsatellite assessment of genetic diversity and gene flow in Fraser fir (*Abies fraseri*), a Southern Appalachian endemic." Botany 2005 conference, Austin, Texas, August 15, 2005.

110. **Potter, K.M.**, and J. Frampton. 2005. "An *ex situ* gene conservation plan for Fraser fir." 28<sup>th</sup> Southern Forest Tree Improvement Conference, Raleigh, North Carolina, June 22, 2005.
111. Frampton, J., D.M. Benson, J. Li, A.M. Braham, E.E. Hudson, and **K.M. Potter**. 2005. "Seedling resistance to *Phytophthora cinnamomi* in the genus *Abies*." 28<sup>th</sup> Southern Forest Tree Improvement Conference, Raleigh, North Carolina, June 21, 2005.
112. **Potter, K.M.**, S. Josserand, J. Frampton, and C.D. Nelson. 2005. "A microsatellite assessment of population architecture and gene flow in Fraser fir." 28<sup>th</sup> Southern Forest Tree Improvement Conference, Raleigh, North Carolina, June 21, 2005 (poster).
113. **Potter, K.M.**, J. Frampton, L.K. Potter, and G.R. Hess. 2005. "Fraser Fir Population Size and Pollen Dispersal: A Landscape Genetics Model." 20<sup>th</sup> Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, Syracuse, New York, March 15, 2005.
114. Frampton, J., **K.M. Potter**, and J.R. Sidebottom. 2005. "Impacts of Balsam Woolly Adelgid in the Southern Appalachians." 3<sup>rd</sup> Symposium on Hemlock Woolly Adelgid in the Eastern United States, Asheville, North Carolina, Feb. 1, 2005.
115. Josserand, S., J.A. Bowen, **K.M. Potter**, J. Frampton, and C.D. Nelson. 2005. "Evaluation of Microsatellite Markers in Fraser Fir (*Abies fraseri*)." 3<sup>rd</sup> Symposium on Hemlock Woolly Adelgid in the Eastern United States, Asheville, North Carolina, Feb. 1, 2005 (poster).
116. **Potter, K.M.**, and J. Frampton. 2004. "Modeling Genetic Drift in a Threatened, Long-Lived Forest Tree Species." 2004 Ecological Society of America annual conference, Portland, Oregon, Aug. 4, 2004 (poster).
117. **Potter, K.M.**, and J. Frampton. 2003. "Phytophthora Root Rot Mortality in Fraser Fir: Genetic Variation in an Infested Progeny Test." Sixth International Christmas Tree Research and Extension Conference, Hendersonville, North Carolina, Sept. 15, 2003.
118. **Potter, K.M.**, and J. Frampton. 2003. "Genetic Conservation and Evolutionary History of Fraser Fir (*Abies fraseri*)." Sixth International Christmas Tree Research and Extension Conference, Hendersonville, North Carolina, Sept. 16, 2003 (poster).
119. **Potter, K.M.**, and J. Frampton. 2003. "Genetic Variation in Fraser Fir Mortality Due to Phytophthora Root Rot." 27<sup>th</sup> Southern Forest Tree Improvement Conference, Stillwater, Oklahoma, June 24, 2003.
120. **Potter, K.M.**, and F.W. Cabbage. 2003. "Landscape Characteristics and Nonpoint Source Pollution in North Carolina: An Ecological Risk Assessment." 2003 North Carolina Water Resources Research Institute Annual Conference, Raleigh, North Carolina, April 1, 2003.
121. **Potter, K.M.**, E.O. Sills, K. Jones, and D.N. Wear. 2002. "Assessing Forest Sustainability with Questions and Criteria." 2002 Society of American Foresters national convention, Winston-Salem, North Carolina, Oct. 8, 2002.
122. **Potter, K.M.**, R.H. Schaberg, and F.W. Cabbage. 2002. "The Structure of North Carolina Stream Life: A Landscape-Level Ecological Risk Assessment of Nonpoint



Source Pollution,” 2002 Ecological Society of America annual conference, Tucson, Arizona, Aug. 5, 2002 (poster).

### **Popular Publications:**

- More than 80 news releases during four years working in North Carolina State University’s News Services office (1997-2001). These releases promoted research advances, technology transfer efforts, and educational programs at the university, and resulted in news stories in major media outlets, including *USA Today*, *The Washington Post*, *U.S. News & World Report*, *The Chronicle of Higher Education*, *Popular Mechanics*, *The Los Angeles Times*, and the *Chicago Tribune*.
- Several dozen bylined stories in *The (Raleigh) News & Observer* during year as staff writer (1996-97), including “The futile war on fire ants” (Oct. 25, 1997), “Stalkers of the Coastal Plain” (about North Carolina’s carnivorous flora, June 30, 1997), and “Hurricane Fran’s latest legacy: Rash of poison ivy” (June 11, 1997).
- Several hundred news stories on Iowa and national politics and public policy while political reporter at the 50,000-circulation *Waterloo/Cedar Falls (Iowa) Courier* newspaper (1994-96). These included stories filed on the Iowa General Assembly, the 1996 Iowa presidential caucuses, the 1996 Democratic and Republican national conventions, and the 1994 and 1996 primary and general elections.
- A weekly nonpartisan political analysis column in the *Waterloo/Cedar Falls Courier* (1994-96). These columns described, among other things, behind-the-scenes political wrangling at the Iowa statehouse, the national influence of Iowa’s members of Congress, the activities and prospects of Republican and Democratic presidential candidates in Iowa, and the impact of legislation on the *Courier’s* northeast Iowa readership.

### **Awards and Honors:**

- United States Department of Agriculture Certificate of Appreciation, for “outstanding contributions to fulfilling the Forest Service mission of monitoring and reporting on the health of United States forests,” signed by Rick Cooksey, Acting Director of Forest Health Protection, and Linda Heath, Director of Inventory, Monitoring, and Assessment Research, October 2020.
- 2019 W.S. Cooper Award from the Ecological Society of America, for an outstanding publication in the field of geobotany, physiographic ecology, plant succession, or the distribution of plants along environmental gradients, for the paper “Divergence of species responses to climate change” (Fei, S., J.M. Desprez, **K.M. Potter**, I. Jo, J.A. Knott, and C.M. Oswalt. 2017. *Science Advances*. 3(5):e1603055. <https://doi.org/10.1126/sciadv.1603055>).
- A paper I co-authored in the journal *Diversity and Distributions* (Riitters, K.H., K.M. Potter, B.V. Iannone, C.M. Oswalt, S. Fei, and Q. Guo. 2018. Landscape correlates of forest plant invasions: A high-resolution analysis across the eastern United States. *Diversity and Distributions*. 24:274-284. <https://doi.org/10.1111/ddi.12680>) earned an “Editor’s Choice” honor in the March 2018 issue of the journal.
- A paper I co-authored in the journal *Science Advances* (Fei, S., J.M. Desprez, K.M. Potter, I. Jo, J.A. Knott, and C.M. Oswalt. 2017. Divergence of species responses to climate change. *Science Advances*. 3(5):e1603055) was named the 59<sup>th</sup> top science story of 2017 by *Discover* magazine (<http://discovermagazine.com/2018/janfeb?page=2>). That paper

received extensive attention in various scientific outlets and public media. *Nature* published a news report on the paper, as did more than 50 other news outlets both internationally (including *German Public Radio*, *UK Daily Mail*, *China Xinhua News*, and *Spain La Vanguardia*) and within the United States (including *NPR Living on Earth*, *The Atlantic*, *Scientific American*, *Smithsonian*, and *USA Today*.)

- United States Department of Agriculture Certificate of Appreciation, for “long-term, outstanding efforts in co-editing the Annual [USDA Forest Service, Forest Health Monitoring] National Technical Report,” signed by Borys Tkacz, Forest Health Monitoring Program Manager, April 2012.
- Belle Baruch Foundation Award for best poster, 31<sup>st</sup> Southern Forest Tree Improvement Conference, Biloxi, Mississippi, June 13-16, 2011, for the poster “Potter, K.M., R.M. Jetton, W.S. Dvorak, V.D. Hipkins, J. Rhea, W.A. Whittier. 2011. “Range-Wide Assessment of Genetic Variation and Structure in Eastern Hemlock, an Imperiled Conifer, Using Microsatellites.”
- “Most Exciting Science” poster award, USDA Forest Service Forest Health Monitoring 16<sup>th</sup> Annual Workgroup Meeting, Albuquerque, New Mexico, Jan. 25-28, 2010, for the poster “Potter, K.M., W.W. Hargrove, and F.H. Koch. 2010. Assessing Forest Tree Risk of Genetic Degradation from Climate Change.”
- Namkoong Family Graduate Fellowship for scholarship and ethics in forestry and conservation, North Carolina State University Department of Forestry and Environmental Resources, 2005.
- North Carolina State University Preparing the Professoriate Fellowship, 2004-05.
- Forestry Faculty Fellowship for Excellence in Graduate Education, North Carolina State University Department of Forestry and Environmental Resources, 2004.
- North Carolina Plant Molecular Biology Consortium graduate student travel award, 2004, \$1,000.
- Junius Mebane Andrews and Horace Porter Andrews Graduate Fellowship, awarded by North Carolina State University to a single outstanding beginning doctoral student, 2002.
- Hofmann Forest Graduate Fellowship, awarded by the NC State University College of Natural Resources to outstanding beginning graduate students, 2002.
- Bruce Zobel Award for best student presentation at the 28th Southern Forest Tree Improvement Conference (tie), Raleigh, North Carolina, June 21-23, 2005.
- Bruce Zobel Award for best student presentation at the 27th Southern Forest Tree Improvement Conference, Stillwater, Oklahoma, June 24-27, 2003.
- Xi Sigma Pi forestry honorary society, North Carolina State University, 2002.
- Coordinator of media campaign “Promoting Centennial Campus, NC State’s Booming Technopolis,” winner of Award of Excellence, News Project category, Council for the Advancement and Support of Education, District III (Southeast), 2000-01.
- Editor of the *Bulletin*, the North Carolina State University faculty and staff newspaper,

winner of Most Improved award for “magapapers and newspapers” category, APEX Awards for Publication Excellence, 2000.

- Editor of the *Bulletin*, the North Carolina State University faculty and staff newspaper, winner of a Special Merit Award for Internal Tabloids category, Council for Advancement and Support of Education, District III (Southeast), 1997-98.
- Nominee for University Advancement Award for Excellence, North Carolina State University, 1999, 2000.
- National first place for college newspaper editorial writing, Society of Professional Journalists’ Mark of Excellence Award, 1992.
- Cyril and Lucile Clifton Award for public affairs reporting, Drake University School of Journalism and Mass Communication, 1992-93.
- Robert and Lottie Brown News Editorial Scholarship, Drake University, 1989-93.
- Charles Ritchey Award for best research paper in a Drake University history course, 1992-93.
- Kappa Tau Alpha national journalism and mass communication honor society, 1992.
- Phi Sigma Iota International Foreign Language Honor Society, 1992.

### **Professional Service:**

- Associate Editor for genetics and Advisory Board member of journal *New Forests*, international journal on the biology, biotechnology, and management of afforestation and reforestation, 2008-present.
- North America representative, Landscape Ecology Working Party, International Union of Forest Research Organizations (IUFRO), 2021-present.
- Member, North Carolina State University Library Committee, 2020-present.
- Member, North Carolina State University Speakers and Lecturers Committee, 2019-present. Chair, 2021-2022.
- Member, North Carolina State University Department of Environmental Resources Reappointment, Promotion and Tenure Committee, 2021-present.
- Member, North Carolina State University Faculty Well-Being Committee, 2019-2020.
- Research mentor to high school students at North Carolina School of Science and Math, summer 2020, academic year 2020-21, summer 2021
- Abstract reviewer, Hawai‘i Conservation Conference, 2021, 2022.
- Abstract reviewer, Ecological Society of America annual conference, 2022.
- Co-editor, along with lead editor Qinfeng Guo and co-editors Frank Koch and Kurt Riitters of the USDA Forest Service, of a special issue on the impacts of nonnative species on the

health of natural and planted forests, in the journal *Forests*, 2018-19

- Participant in townhall meeting/workshop to develop a vision for a graduate Environmental Science and Ecology (ES&E) program at North Carolina State University, December 5, 2018.
- Lead editor of special issue on trends and challenges for the genetic conservation of tree species in the journal *New Forests*, 2017
- Coordinator of the Department of Forestry and Environmental Resources weekly seminar series, North Carolina State University, Fall 2011-Spring 2016.
- Co-editor of special issue on macrosystems ecology in the journal *Landscape Ecology*, 2016
- Field trip leader, “A View from the Top: Forest Biodiversity, Disturbance, and Culture in the Great Smoky Mountains National Park,” Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, 2016
- Completed peer reviews for manuscripts submitted to *Biological Conservation*, *Canadian Journal of Forest Research*, *Conservation Genetics*, *Ecological Informatics*, *Environmental Monitoring and Assessment*, *Forest Ecology and Management*, *Heredity*, *Integrated Environmental Assessment and Management*, *Journal of Biogeography*, *Journal of Ecology*, *Landscape Ecology*, *New Forests*, *PLoS One*, *Silvae Genetica*, *Scientific Reports*, *Tree Genetics & Genomes*, and *Water Resources Management*.
- Grant reviewer for National Science Foundation, Division of Environmental Biology, 2014, 2015.
- Special symposium co-organizer, “Understanding Macroscale Invasion Patterns and Processes,” Annual Meeting of the United States Regional Chapter of the International Association for Landscape Ecology, 2016
- Member, National Climate Assessment Forest Indicator Technical Team, 2013-15
- Special symposium co-organizer, “Monitoring Emerging Threats to Forest Health at a National Scale,” IUFRO World Congress, 2014
- Reviewer, USDA Forest Service Plant Genetics Research, Development, and Application Program, 2012
- Special symposium co-organizer, “Climate Change – Impacts and Effects on Vegetation,” US-IALE annual conference, 2011
- Grant reviewer for USDA Cooperative State Research, Education, and Extension Service (CSREES) National Needs Graduate Fellowship Grants, 2009.
- Grant reviewer for National Science Foundation, Population and Evolutionary Processes Cluster, 2006.
- Session moderator, Conservation Biology Session: “Conservation Biology II,” Botany 2010 conference, Providence, Rhode Island, August 4, 2010.

- Session moderator, Genetics Session: “Molecular Evolution, Ecology and Population Genetics II,” Botany 2006 conference, Chico, California, August 1, 2006.
- Session moderator, Genetics Session: “Population, Conservation, and Ecological Genetics,” Botany 2005 conference, Austin, Texas, August 15, 2005.
- Abstract reviewer, 20<sup>th</sup> Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology (US-IALE), March 2005.
- President, Natural Resources Organization of Graduate Students, North Carolina State University College of Natural Resources, Raleigh, North Carolina, April 2003-April 2004.
- Volunteer, working on system to track the effects of fire management, The Nature Conservancy, North Carolina Chapter, Durham, North Carolina, October 2001-May 2002.

### **Professional Memberships:**

Ecological Society of America  
International Association for Landscape Ecology, North America Regional Association  
Society of American Foresters  
Botanical Society of America  
Southern Appalachian Botanical Society  
American Chestnut Foundation  
International Biogeography Society

### **Certification:**

- Heartsaver First Aid, CPR, AED, Environmental Emergency certification (May 2009-May 2011, May 2011-May 2013, April 2013-April 2015, May 2015-May 2017, October 2019-October 2021)

### **Teaching Experience:**

**Co-Instructor:** Forestry and Environmental Resources Seminar (FOR 601/801, NR 601), Fall 2011, Spring 2012, Fall 2012, Spring 2013, Fall 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016.

- Coordinated weekly seminar series, and participated in discussions with graduate students about the characteristics of high-quality research presentations.

**Guest Instructor:** Conservation of Biodiversity (FOR 406), North Carolina State University, Spring 2019 (April 11, 2019), Spring 2020 (February 11, 2020)

- Taught class, “Invasive Species and the Conservation of Biodiversity.”

**Guest Instructor:** Forest Health and Protection (FOR 430), North Carolina State University, Spring 2017 (February 21, 2017), Spring 2018 (February 6, 2018), Fall 2019 (October 23, 2019), Fall 2021 (October 18, 2021)

- Taught class (along with Kurt Riitters and Frank Koch of the USDA Forest Service), “Fires and Droughts and Beetles, Oh My: Monitoring Forest Health across the United States.”

**Guest Instructor:** Plant Systematics, North Carolina State University, Spring 2016 (January 26, 2016), Spring 2017 (January 26, 2017)

- Taught class, “Integrating Phylogenetics and Plant Community Ecology.”

**Guest Instructor:** Hardwood Silviculture (FOR 491M), North Carolina State University, Fall 2015 (November 9, 2015)

- Taught class, “Healthy Forests: Definitions, Threats, and Management.”

**Guest Instructor:** North Carolina Forests (FOR 330), North Carolina State University, Fall 2015 (November 3, 2015), Fall 2016 (November 1, 2016), Fall 2017 (November 7, 2017), Fall 2018 (November 6, 2018), Fall 2019 (November 12, 2019)

- Taught class, “What Exactly Is Forest Health? And How Do We Keep N.C. Forests Healthy?”

**Guest Instructor:** Forest Entomology, North Carolina State University, Spring 2012

- Taught class, “Forest Insects and Climate Change: Background and Risk Assessment for Forest Management and Conservation.”

**Instructor:** Plant Conservation (NR 491C/FOR 595C), North Carolina State University, Spring 2005

- Developed and delivered special topics course for upper-level undergraduate students and graduate students, as part of Preparing the Professoriate program.

**Teaching Assistant:** Environmental Impact Assessment, North Carolina State University, Fall 2004

- Developed and delivered lectures and labs for class segment on water quality management and policy, in addition to teaching assistant responsibilities.

**Laboratory Instructor:** Dendrology, North Carolina State University, Fall 2002, Fall 2004

- Taught field laboratory sections of woody plant biology and identification course required of all undergraduate Forestry majors.

**Teaching Assistant:** Environmental Impact Assessment, North Carolina State University, Fall 2003

- Lectured on ecological risk assessment and water quality assessment, in addition to teaching assistant responsibilities.

**Guest Instructor:** Environmental Impact Assessment, North Carolina State University, Fall 2002

- Taught class on ecological risk assessment based on master’s degree research.

**Guest Instructor:** Natural Resource Advocacy, North Carolina State University, Spring 2002

- Taught class on media relations for natural resource professionals.

**Guest Instructor:** Computers in Natural Resources, North Carolina State University, Fall 1999, Spring 2000, Fall 2000

- Taught lecture and lab on the use and design of high-quality PowerPoint presentations.

**Lecturer:** Media relations seminar, North Carolina State University, Fall 2001

- Presented talk to staff and faculty members about how to interact with news reporters.

### **Graduate Student Committees:**

**Christina Carroll**, Department of Forestry and Environmental Resources, North Carolina State University, master of natural resources, ongoing (major advisor).

**Austin Thomas**, “The Ecology and Genetics of Eastern Hemlock and Fraser Fir Threatened by Invasive Adelgids,” Department of Forestry and Environmental Resources, North Carolina State University, doctorate in forestry, November 2021.

**Ben Lingley**, “Economic Modeling of Drinking Water Costs Associated with Aquatic Biodiversity and Water Quality,” Department of Forestry and Environmental Resources, North Carolina State University, master of forestry, December 2016.

**John Hastings**, “Using Climate and Genetic Diversity Data to Prioritize Conservation Seed Banking for Imperiled Hemlock Species,” Department of Forestry and Environmental Resources, North Carolina State University, master of science, March 2016 (major advisor).

**Laura Townsend**, “Identifying Genetic Variability in Loblolly Pine,” Department of Forestry and Environmental Resources, North Carolina State University, master of science, August 2015.

**Lia Campbell**, “Assessing Carolina Hemlock (*Tsuga caroliniana* Engelm.) Population Genetic Structure and Diversity in the Southern Appalachians Using Microsatellite Markers,” Department of Forestry and Environmental Resources, North Carolina State University, master of science, August 2014.

**George Khan**, “Single Nucleotide Polymorphism Discovery in Pines (*Pinus*) Species for Hybrid Analysis,” Department of Forestry and Environmental Resources, North Carolina State University, master of science, July 2010.

**Amanda Saville**, “Delimiting Species Boundaries in the *Dichanthelium dichotomum* (L.) Gould Complex,” Department of Plant Biology, North Carolina State University, master of science, July 2010.

### **Software and Computer Language Proficiency:**

- *Statistical analysis*: SAS, R, PC-ORD, Microsoft Excel
- *Geographic Information Systems (GIS)*: ESRI ArcGIS 10, ArcView 3.2; FloraMap
- *Population genetic analysis*: GenA1Ex, GeneMarker, ABI GeneScan, ABI Genotyper, PAUP\*, PopGen, Arlequin, Structure, Bottleneck, IBD, PHYLIP, FSTAT, GENEPOP, Genetic Data Analysis (GDA), InStruct, Microchecker, BAPS, TESS
- *Phylogenetic analysis*: Picante, Phylocom, Phylomatic
- *Scientific computation*: Matlab
- *Web and page design*: Hypertext Markup Language (HTML), Macromedia Dreamweaver, Adobe PageMaker, Adobe Illustrator, Microsoft PowerPoint, Microsoft Publisher

### **Language Skills:**

- Native English speaker
- Conversational Spanish speaker
- German (20 credit hours of college course work)
- Basic knowledge of Latin (6 credit hours of college course work)