

Selected External Publications by NCASI Staff and Cooperators

2017

- Conrad, J.L., M.C. Demchik, M.M. Vokoun, A.M. Evans, and M.P. Lynch. 2017. Foresters' perceptions of the frequency, cost, and rationale for seasonal timber harvesting restrictions in Wisconsin. *Forest Science* 63(3):331-341. <https://doi.org/10.5849/forsci.2016-051>
- Conrad, J.L., M.M. Vokoun, S.P. Prisley and M.C. Bolding. 2017. Barriers to logging production and efficiency in Wisconsin. *International Journal of Forest Engineering* 28(1):57-65. <https://dx.doi.org/10.1080/14942119.2017.1246890>
- Danehy R.J., R.E. Bilby, S. Owen, S.D. Duke, and A. Farrand. 2017. Interactions of baseflow habitat constraints: Macroinvertebrate drift, stream temperature, and physical habitat for anadromous salmon in the Calapooia River, Oregon. *Aquatic Conservation: Marine and Freshwater Ecosystems*. <https://doi.org/10.1002/aqc.2756>
- Demarais, S., J. P. Verschuyl, G. J. Roloff, D. A. Miller, and T. B. Wigley. 2017. Tamm review: Terrestrial vertebrate biodiversity and intensive forest management in the U.S. *Forest Ecology and Management* 385:308–330. <https://doi.org/10.1016/j.foreco.2016.10.006>
- Denryter, K.A. R.C. Cook, J.G. Cook, and K.L. Parker. 2017. Straight from the caribou's (Rangifer tarandus) mouth: Detailed observations of tame caribou reveal new insights into summer–autumn diets. *Canadian Journal of Zoology*. <http://dx.doi.org/10.1139/cjz-2016-0114>
- Dietzen, C.A., E.R.G. Marques, J.N. James, R.H.A. Bernardi, S.M. Holub, and R.B. Harrison. 2017. Response of deep soil carbon pools to forest management in a highly productive Andisol. *Soil Science Society of America Journal*. <https://dx.doi.org/10.2136/sssaj2016.09.0305>
- Donner, D.M., T.B. Wigley, and D.A. Miller. 2017. Forest biodiversity and woody biomass harvesting. Chapter 11 in *2016 billion-ton report: Advancing domestic resources for a thriving bioeconomy, Volume 2: Environmental sustainability effects of select scenarios from Volume 1*, ed. R.A. Efroymsen, M.H. Langholtz, K.E. Johnson, and B.J. Stokes, 397-447. ORNL/TM-2016/727. Oak Ridge, TN: U.S. Department of Energy, Oak Ridge National Laboratory. https://energy.gov/sites/prod/files/2017/03/f34/2016_billion_ton_report_volume_2_chapter_11_2.pdf
- Greene, R.E., R.B. Iglay, O. Kristine, D.A. Evans, and B. Wigley. 2017. Conserving open pine wildlife communities in commercial pine stands. Landscape Conservation Cooperative Network. https://lccnetwork.org/sites/default/files/Resources/Beyond%20wood%20products-managed%20pine%20and%20wildlife_2.pdf
- Grinde, A.R., G.J. Niemi, C. Adams, and T.B. Wigley. 2017. The important role of young forests in forest biodiversity management. *The Forestry Source* 22(2):12-13.

- Hensley, R.T., D.L. McLaughlin, M.J. Cohen, and P.H. Decker. 2017. Stream phosphorus dynamics of minimally impacted coastal plain watersheds. *Hydrological Processes* 31(8):1636–1649. <http://dx.doi.org/10.1002/hyp.11132>
- Kroll, A.J., J. Verschuyt, J. Giovanini, and M.G. Betts. 2017. Assembly dynamics of a forest bird community depend on disturbance intensity and foraging guild. *Journal of Applied Ecology* 54(3):784–793. <https://doi.org/10.1111/1365-2664.12773>
- Lang, A.J., W.M. Aust, M.C. Bolding, K.J. McGuire, and E.B. Schilling 2017. Comparing sediment trap data with erosion models for evaluation of forest haul road stream crossing approaches. *Transactions of the American Society of Agricultural and Biological Engineers* 60(2): 393-408. <https://dx.doi.org/10.13031/trans.11859>
- Lang, A.J., W.M. Aust, M.C. Bolding, K.J. McGuire, and E.B. Schilling. In Press. Forestry best management practices for erosion control in haul road ditches near stream crossings. *Journal of Soil and Water Conservation*.
- Loehle, C. 2017. Biomechanical constraints on tree architecture. *Trees* 30(6):2061-2070. <http://dx.doi.org/10.1007%2Fs00468-016-1433-2>
- Loehle, C. 2017. The epistemological status of general circulation models. *Climate Dynamics* pp 1–13. <https://dx.doi.org/10.1007/s00382-017-3717-7>
- Loehle, C. and N. Arghami. 2017. Bounded random walks as a null model for evaluating population trends. *Population Ecology*. Published online: March 3, 2017. <http://dx.doi.org/10.1007/s10144-017-0574-5>
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