

Selected External Publications by NCASI Staff and Cooperators

2018

- Igley, R.B., R.E. Greene, B.D. Leopold, and D.A. Miller. 2018. Bird conservation potential of fire and herbicide treatments in thinned pine stands. *Forest Ecology and Management* 409:267-275. <https://doi.org/10.1016/j.foreco.2017.11.021>
- Irwin, L.L., D.F. Rock, and S.C. Rock. 2018. Barred owl habitat selection in west coast forests. *Journal of Wildlife Management* 82:202-216. <https://dx.doi.org/10.1002/jwmg.21339>
- Hatten, J.A., C. Segura, K.D. Bladon, V.C. Hale, G.G. Ice, J.D. Stednick. 2018. Effects of contemporary forest harvesting on suspended sediment in the Oregon Coast Range: Alsea Watershed Study revisited. *Forest Ecology and Management* 408:238–248. <https://doi.org/10.1016/j.foreco.2017.10.049>
- Larsen, A. L., J. A. Homyack, T. B. Wigley, D. A. Miller, and M. C. Kalcounis-Rueppell. 2018. Altered understory characteristics affect rodent spatial and foraging behaviors and reproduction patterns. *Forest Ecology and Management* 409:119–128. <https://doi.org/10.1016/j.foreco.2017.10.061>
- Vance, E.D., S.P. Prisley, E.B. Schilling, V.L. Tatum, T.B. Wigley, A.A. Lucier, P.C. Van Deusen. 2018. Environmental implications of harvesting lower-value biomass in forests. *Forest Ecology and Management* 407:47–56. <https://doi.org/10.1016/j.foreco.2017.10.023>
- Verschuyf, J., L. Clark, and C. Loehle. 2018. Predicting shrub biomass and current annual growth from field measurements in the Oregon Coast Range. *Northwest Science* 92(1):9-17. <https://doi.org/10.3955/046.092.0103>

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- Arismendi, I., J. D. Groom, M. Reiter, S. L. Johnson, L. Dent, M. Meleason, A. Argerich, and A. E. Skaugset. 2017. Suspended sediment and turbidity after road construction/improvement and forest harvest in streams of the Trask River Watershed Study, Oregon. *Water Resources Research* 53:6763–6783. <https://dx.doi.org/10.1002/2016WR020198>
- 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* 81(4):970-978. <https://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
- Fritts, S.R., C.E. Moorman, S.M. Grodsky, D.W. Hazel, J.A. Homyack, C.B. Farrell, S.B. Castleberry, E.H. Evans, and D.U. Greene. 2017. Rodent response to harvesting woody biomass for bioenergy production. *The Journal of Wildlife Management* 81(7):1170–1178. <https://doi.org/10.1002/jwmg.21301>

- Geary, A.B., E.H. Merrill, J.G. Cook, R.C. Cook, and L.L. Irwin 2017. Elk nutritional resources: Herbicides, herbivory and forest succession at Mount St. Helens. *Forest Ecology and Management* 401:242–254. <https://doi.org/10.1016/j.foreco.2017.06.028>
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- 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.
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- 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>
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- Loehle, C. 2017. Biomechanical constraints on tree architecture. *Trees* 30(6):2061-2070. <http://dx.doi.org/10.1007/s00468-016-1433-2>
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