

Online APPENDIXES & RESOURCES

found at wildlandsandwoodlands.org/wildlands-in-new-england

Appendix 1: Wildlands in New England: Attributes and Characteristics

Appendix 2: Conservation Properties Screened in the Course of This Study

Appendix 3: Detailed Map of Wildlands in New England

Interactive Web Map of Wildlands in New England

All Figures and Tables from the Report

Downloadable GIS and Tabular Data Used in the Report

REFERENCES

- ALCAG (Appalachian Landscape Climate Advisory Group). 2022. *Conserving an Intact and Enduring Appalachian Landscape. Designing a Corridor in Response to Climate Change.*
- American Chestnut Foundation. 2022. Using science to save the American Chestnut. <https://acf.org/science-strategies/3bur/>
- Anderson, L. 2000. Benton MacKaye and the path to the first Appalachian Trail Conference. *Appalachian Trailways News*, July 2000: 17–21.
- Anderson, L. 2002. First steps along the Appalachian Trail. Benton MacKaye's progressive vision. *Wild Earth*, Fall: 56–61.
- Anderson, L. 2008. *Benton MacKaye: Conservationist, Planner, and Creator of the Appalachian Trail.* Johns Hopkins University Press. Baltimore, MD.
- Anderson, M.G. 2021. *Wild Carbon—A Synthesis of Recent Findings and Wild Carbon Supplement—Analysis of Sequestration in Old Forests.* Northeast Wilderness Trust. *Wild Works* 1 and 1.1.
- Anderson, M.G. and A. Olivero Sheldon. 2011. *Conservation Status of Fish, Wildlife, and Natural Habitats in the Northeast Landscape: Implementation of the Northeast Monitoring Framework.* The Nature Conservancy, Eastern Conservation Science, Eastern Regional Office. Boston, MA.
- Anderson, M.G., S. Bernstein, F. Lowenstein, N. Smith, and S. Pickering. 2002. *Determining the size of Eastern Forest Reserves.* The Nature Conservancy and Sweet Water Trust.
- Anderson, M.G., A. Barnett, M. Clark, J. Prince, A. Olivero Sheldon, and B. Vickery. 2016. *Resilient and Connected Landscapes for Terrestrial Conservation.* The Nature Conservancy, Eastern Conservation Science, Eastern Regional Office. Boston, MA.
- Aplet, G.H., 1998. *On the nature of wildness: exploring what wilderness really protects.* *Denver University Law Review*, 76: 347–367.
- Aplet, G.H., J. Thomson, and M. Wilbert. 2000. Indicators of wildness: using attributes of the land to assess the context of wilderness. In McCool, S.F., D.N. Cole, W.T. Borrie, and J. O'Loughlin comps. 2000. *Wilderness Science in a Time of Change.* Volume 2: *Wilderness within the context of larger systems.* U.S. Department of Agriculture, Forest Service. Proceedings RMRS-P-15-VOL-2. Ogden, UT. pp. 89–98.
- Arthur, E. and P. Burns. 2020. A call for repairing the harms of colonization: Maine's bicentennial as an opportunity for truth, acknowledgment, resistance, and healing. *Maine Policy Review*, 29: 17–22.
- Askins, R.A. 2001. Sustaining biological diversity in early successional communities: The challenge of managing unpopular habitats. *Wildlife Society Bulletin*, 29: 407–412.
- ATC. 1981. Comprehensive Plan. Appalachian Trail Conservancy. Harpers Ferry, WV.
- ATC. 2012. Policy on Evaluating and Selecting ATC Managed Fee and Easement Land Parcels. Appalachian Trail Conservancy. Harpers Ferry, WV.
- ATC. 2014. Strategic Plan. Appalachian Trail Conservancy. Harpers Ferry, WV.
- ATLP. 2022. Appalachian Trail Landscape Partnership. Three-year Strategic Plan.
- Baldwin, R.F. and K.F. Beazley. 2019. Emerging paradigms for biodiversity and protected areas. *Land*, 8: 1–12. doi:10.3390/land8030043.
- Baldwin, R.F., S.C. Trombulak, P.B. Leonard, R.F. Noss, J.A. Hilty, H.P. Possingham, L. Scarlett, and M.G. Anderson. 2018. *The future of landscape conservation.* *BioScience*, 68: 60–63.
- Barton, A.W. and W.S. Keeton (eds.). 2018. *Ecology and Recovery of Eastern Old-Growth Forests.* Island Press. Washington, D.C.
- Barton, A.W., A.S. White, and C.V. Cogbill. 2012. *The Changing Nature of the Maine Woods.* University of New Hampshire Press. Durham, NH.
- Bateson, E. and N. Smith. 2001. Making it happen: Protecting Wilderness on the ground. In *Wilderness Comes Home: Rewilding the Northeast*, edited by C.M. Klyza. Middlebury College Press. Middlebury, VT.

- Bechtold, W.A. and P.L. Patterson. 2005. The enhanced Forest Inventory and Analysis Program – National Sampling Design and Estimation Procedures. U.S. Department of Agriculture Forest Service. General Technical Report SRS-80 Southern Research Station. p. 85.
- Belote, R.T. and G. Aplet. 2016. 80-year-old roadless assessment provides important context for recent global evaluation. Manuscript.
- Begović, K., J.S. Schurman, M. Svitok, J. Pavlin, T. Langbehn, K. Svobodová, M. Mikoláš, P. Janda, M. Synek, W. Marchand, L. Vitková, D. Kozák, O. Vostarek, V. Čada, R. Bače, and M. Svoboda. 2022. Large old trees increase growth under shifting climatic constraints: Aligning tree longevity and individual growth dynamics in primary mountain spruce forests. *Global Change Biology*. <https://doi.org/10.1111/gcb.16461>
- Cachat-Schilling, N. 2021. [Fire and Myths about Northeast Native Land Stewardship](#). Massachusetts Ethical Archaeology Society. March 31, 2021.
- Čada, V., V. Trotsiuk, P. Janda, M. Mikoláš, R. Bače, T.A. Nagel, R.C. Morrissey, A.J. Tepley, O. Vostarek, K. Begović, O. Chaskovskyy, M. Dušátko, O. Kameniar, D. Kozák, J. Lábusová, J. Málek, P. Meyer, J.L. Pettit, J.S. Schurman, K. Svobodová, M. Synek, M. Teodosiu, K. Ujházy, M. Svoboda. 2020. [Quantifying Natural disturbances using a large-scale reconstruction to guide forest management](#). *Bulletin of the Ecological Society of America*, 101: 4.
- Carver, S., I. Convery, S. Hawkins, R. Beyers, A. Eagle, Z. Kun, E. Van Maanen, Y. Cao, M. Fisher, S.R. Edwards, C. Nelson, G.D. Gann, S. Shurter, K. Aguilar, A. Andrade, W.J. Ripple, J. Davis, A. Sinclair, M. Bekoff, R. Noss, D. Foreman, H. Pettersson, M. Root-Bernstein, J.C. Svenning, P. Taylor, S. Wynne-Jones, A. Watson Featherstone, C. Fløjgaard, M. Stanley-Price, L.M. Navarro, T. Aykroyd, A. Parfitt, and M. Soulé. 2021. Guiding principles for rewilding. *Conservation Biology*, 35: 1882–1893.
- Catanzaro, P. and A. D'Amato. 2019. *Forest Carbon: An Essential Natural Solution for Climate Change*. University of Massachusetts, Amherst, MA, and University of Vermont, Burlington, VT.
- Catton, T. 1997. *Inhabited Wilderness: Indians, Eskimos, and National Parks In Alaska*. Albuquerque: University of New Mexico Press. Albuquerque, NM.
- Chilton, E.S. 2002. Towns they have none. Diverse subsistence and settlement strategies in Native New England. Pp. 289–300. In *Northeast Subsistence–Settlement Change A.D. 700–1300*, edited by J.P. Hart and C. Reith. New York State Museum. Albany, NY.
- Chilton, E.S. 2010. The origin and spread of maize (*Zea Mays*) in New England. Pp. 159–180. In *Nantucket & Other Native Places: The Legacy of Elizabeth Alden Little*, edited by E.S. Chilton and M.R. Rainey. State University of New York Press. Albany, NY.
- Chilton, E.S. and D.L. Doucette. 2002. The archaeology of coastal New England: The view from Martha's Vineyard. *Northeast Anthropology*, 64: 55–66.
- CLCC. 2019. Connecticut model forever-wild conservation easement option. Connecticut Land Conservation Council, Hartford, CT.
- Cline, A.C. and S.H. Spurr. 1942. The virgin upland forest of central New England. A study of old growth stands in the Pisgah mountain section of southwestern New Hampshire. *Harvard Forest Bulletin* No. 21.
- Cogbill, C.V. 1985. Evaluation of the forest history and old-growth nature of Big Reed Pond Preserve. T8R10 and T8R11 W.E.L.S. Maine. Maine Chapter of the Nature Conservancy, Brunswick, ME.
- Cogbill, C.V. 1995. An assessment of the historical ecology of the forests on the northeast slope of Wachusett Mountain, Massachusetts. Report prepared by Vanasse Hangen Brustlin, Inc. for Wachusett Mountain Associates. Princeton, MA.
- Cogbill, C.V., J. Burk, and G. Motzkin. 2003. The forests of pre-settlement New England, USA: spatial and compositional patterns based on town proprietor surveys. *Journal of Biogeography*, 29: 10–11
- Cole, D.N. 2001. Management dilemmas that will shape wilderness in the 21st Century. *Journal of Forestry*, 99: 4–8.
- Cole, D.N. 2012. Beyond naturalness. Adapting wilderness stewardship to an era of rapid global change. *International Journal of Wilderness*, 18: 9–14.
- Colwell, R., S. Avery, J. Berger, G.E. Davis, H. Hamilton, T. Lovejoy, S. Malcom, A. McMullen, M. Novacek, R.J. Roberts, R. Tapia, and G. Machlis. 2014. [Revisiting Leopold: Resource stewardship in the National Parks](#). *Parks*, 20: 15–24.
- Confederated Salish and Kootenai Tribes. 2005. [Mission Mountains Tribal Wilderness. A Case Study](#). Native Lands and Wilderness Council. Pablo, MT.
- Cordell, H.K., J.C. Bergstrom, and J.M. Bowker. 2005. *The Multiple Values of Wilderness*. Venture Publishing. State College, PA.
- Cordell, K., C. Barns, D. Brownlie, T. Carlson, C. Dawson, W. Koch, G. Oye, and C. Ryan. 2015. Wilderness stewardship in America today and what we can do to improve it. *Journal of Forestry*, 114: 292–297.
- Cowley, J., P. Landres, M. Memory, D. Scott, and A. Lindholm. 2012. Integrating cultural resources and wilderness. *Park Science*, 28: 29–33, 38.
- Crist, E., H. Kopnina, P. Cafaro, J. Gray, W.J. Ripple, C. Safina, J. Davis, D.A. DellaSala, R.F. Noss, H. Washington, H. Rolston, B. Taylor, E.H. Orlikowski, A. Heister, W.S. Lynn, and J.J. Piccolo. 2021. [Protecting Half the Planet and Transforming Human Systems Are Complementary Goals](#). *Frontiers in Conservation Science*, 2: 1–9.
- Crist, P.J., B. Thompson, T.C. Edwards, C.J. Homer, and S.D. Bassett. 1998. *Mapping and Categorizing Land Stewardship: A Handbook for Conducting Gap Analysis*. USGS Gap Analysis. In Anderson and Olivero (2011).
- Cronon, W. 2013. Foreword in S. Mittlefehldt. *Tangled Roots. The Appalachian Trail and American Environmental Politics*. University of Washington Press. Seattle, WA.

- D'Amato, A.W. and P. Catanzaro. 2022. [Restoring old-growth forest characteristics to New England's and New York's forests](#). University of Vermont and University of Massachusetts. Burlington, VT, and Amherst, MA.
- D'Amato, A.W. and D.A. Orwig. 2008. [Stand and Landscape-Level Disturbance Dynamics in Old-Growth Forests in Western Massachusetts](#). *Ecological Monographs*, 78: 507–522.
- D'Amato, A.W., D.A. Orwig, and D.R. Foster. 2006. [New estimates of Massachusetts old-growth forests: useful data for regional conservation and forest reserve planning](#). *Northeastern Naturalist*, 13: 495–506.
- D'Amato, A.W., B.J. Palik, J.F. Franklin, and D.R. Foster. 2017. [Exploring the origins of ecological forestry in North America](#). *Journal of Forestry*, 115: 126–127.
- D'Amato, A.W., D.A. Orwig, D.R. Foster, A. Barker Plotkin, P.K. Schoonmaker, and M.R. Wagner. 2017. [Long-term structural and biomass dynamics of virgin *Tsuga canadensis*-*Pinus strobus* forests after hurricane disturbance](#). *Ecology*, 98: 721–733.
- Dana-Saco, G. 2020. Indigenous voices charting a course beyond the bicentennial: Eba gwedji jik-sow-dul-din-e wedji gizi nan-ul-dool-tehigw (Let's try to listen to each other so that we can get to know each other). *Maine Policy Review*, 29: 7–16.
- Davis, M.B. 1993. *Old Growth in the East: A Survey*. The Cenozoic Society, Richmond, VT.
- Dawson, C.P. and P. Thorndike. 2002. State-designated wilderness programs in the United States. *International Journal of Wilderness*, 8: 21–26.
- Deboer, K. 1998. The importance of Yellowstone's wolves to the North Woods. Wolf restoration revives ecosystems. *Northern Forest Forum*, 6(3): 29.
- Del Tredici, P. 2021. *Wild Urban Plants of the Northeast: A Field Guide*. Cornell University Press. Ithaca, NY.
- Demientieff, B. 2021. A Gwich'in Perspective. In Kaye, R., P.N. Andrews, and B. Demientieff. 2021. [Wilderness and traditional Indigenous beliefs. Conflicting or intersecting perspectives on the human-nature relationship?](#) Arctic National Wildlife Refuge. U.S. Fish and Wildlife Service. Rewilding Blog. December 8, 2021.
- Dincauze, D. 2010. *Environmental Archaeology*. Cambridge University Press. New York, NY.
- Dinerstein, E., C. Vynne, E. Sala, A.R. Joshi, S. Fernando, T.E. Lovejoy, J. Mayorga, D. Olson, G.P. Asner, J.E.M. Baillie, N.D. Burgess, K. Burkart, R.F. Noss, Y.P. Zhang, A. Baccini, T. Birch, N. Hahn, L.N. Joppa, and E. Wikramanayake. 2019. A Global Deal for Nature: Guiding principles, milestones, and targets. *Science Advances*, 5:1–17.
- Donahue, B.M, J. Burke, M. Anderson, A. Beal, T. Kelly, M. Lapping, H. Ramer, R. Libby, and L. Berlin 2014. [A New England Food Vision](#). Food Solutions New England. University of New Hampshire. Durham, NH.
- Donlan, J., J. Berger, C. Bock, J. Bock, D. Burney, J. Estes, and D. Foreman. 2006. Pleistocene rewilding: An optimistic agenda for twenty-first century conservation. *The American Naturalist*, 168: 660–81. <https://doi.org/10.1086/508027>.
- Dudley, N. (ed.). 2008. *Guidelines for Applying Protected Area Management Categories*. Gland, Switzerland. IUCN. 86 pp. With S. Stolton, P. Shadie, and N. Dudley. IUCN WCPA Best Practice Guidance on Recognising Protected Areas and Assigning Management Categories and Governance Types, Best Practice Protected Area Guidelines Series No. 21, Gland, Switzerland.
- Dudley, N. and S. Stolton (eds.). 2022. Best Practice in Delivering the 30x30 Target. Protected areas and other effective area-based conservation measures. The Nature Conservancy and Equilibrium Research. Washington, D.C.
- Dunwiddie, P.W. and R.T. Leverett. 1996. Survey of old-growth forests in Massachusetts. *Rhodora*, 98: 419–444.
- Dunwiddie, P.W., D. Foster, D. Leopold, and R.T. Leverett. 1996. Old-growth forests of southern New England, New York, and Pennsylvania. In *Eastern Old-growth Forests: Prospects for Rediscovery and Recovery*, edited by M.B. Davis, 126–143. Island Press. Washington, D.C.
- Duranleau, D.L. 2009. *Flexible Sedentism: The Subsistence and Settlement of Coastal New England and New York*. Ph.D. Thesis, Harvard University.
- Duveneck M., J. Thompson, and B. Wilson. 2015. Imputed forest composition map for New England screened by species range boundaries, 2001–2006. Harvard Forest Data Archive: HF234 (v.5). Environmental Data Initiative: <https://doi.org/10.6073/pasta/29411e633e695b962a59d03887af90d2>. Accessed 2 Feb 2022.
- Duveneck, M. and J. Thompson. 2019. Social and biophysical determinants of future forest conditions in New England: Effects of a modern land-use regime. *Global Environmental Change*, 55: 115–129.
- Engstrom, B. and D. Mann. 2011. Fire ecology of red pine (*Pinus resinosa*) in northern Vermont, USA. *Canadian Journal of Forest Research*, 21: 882–889. doi:10.1139/x91-123
- Fidel, J. 2021. How other states in New England treat privately owned Wildland/Open Space through Use Value Appraisal. Vermont Natural Resources Council. Unpublished slide presentation.
- Finzi, A.C., M.-A. Giasson, A. Barker Plotkin, J.D. Aber, E.R. Boose, E.A. Davidson, M.C. Dietze, A.M. Ellison, S.D. Frey, E. Goldman, T.F. Keenan, J.M. Melillo, J.W. Munger, K.J. Nadelhoffer, S. Ollinger, D.A. Orwig, N. Pederson, A.D. Richardson, K. Savage, J. Tang, J.R. Thompson, C.A. Williams, S.C. Wofsy, Z. Zhou, and D.R. Foster. 2020. [Carbon budget of the Harvard Forest Long-Term Ecological Research site: pattern, process, and response to global change](#). *Ecological Monographs*, 90: e01423, 37 pp.
- First Light 2022. [First Light Learning Journey. Relearning, recentring, returning at the speed of trust](#). A bridge between conservation organizations and Penobscot, Passamaquoddy, Maliseet, and Mi'kmaq Communities who seek to expand Wabanaki stewardship of land.

- Fisher, M. 2019. *Natural Science and Spatial Approach of Rewilding: Evolution in the Meaning of Rewilding in Wild Earth and The Wildlands Project*. Published privately.
- Fisher, R.T. 1927. *A museum of forest antiquity*. *American Forests and Forest Life*, 33: 348.
- Fisher, R.T. 1933. *New England Forests: Biological Factors*. *New England's Prospect*. American Geographical Society Special Publication, 16: 213–223.
- Fletcher, M-S., R. Hamilton, W. Dressler, and L. Palmer. 2021. Indigenous knowledge and the shackles of wilderness. *Proceedings of the National Academy of Science*, 118: e2022218118. <https://doi.org/10.1073/pnas.2022218118>
- Fløjgaard, C., P.B. Pedersen, C.J. Sandom, J.C. Svenning, and R. Ejrnæs. 2022. Exploring a natural baseline for large-herbivore biomass in ecological restoration. *Journal of Applied Ecology*, 59: 18–24.
- Foreman, D. 1999. The Wildlands Project and the Rewilding of North America. *Denver University Law Review*, 76: 535–576.
- Foreman, D. 1999. Will-of-the-Land. *Wild Earth*, 25: 2–4.
- Foreman, D. 2001. The pristine myths. *Wild Earth*, 11: 1–5
- Foreman, D. and H. Wolke. 1992. *The Big Outside*. Revised Edition. Harmony Books. New York, NY.
- Foster, C.H.W. and G. Abbott. 1986. *A Land Conservation Strategy for the New England Region*. Lincoln Institute, Cambridge, MA.
- Foster, D.R. 1988. *Species and stand response to catastrophic wind in central New England, USA*. *Journal of Ecology*, 76: 135–151.
- Foster, D.R. 1999. *Thoreau's Country: Journey through a Transformed Landscape*. Harvard University Press. Cambridge, MA.
- Foster, D.R. 2017. *A Meeting of Land and Sea: Nature and the Future of Martha's Vineyard*. Yale University Press. New Haven, CT.
- Foster, D.R. 2020. *Harvard Forest, Harvard University*. ALPINE Academic Conservation Briefs. Highstead and Lincoln Institute. Redding, CT, and Cambridge, MA.
- Foster, D.R. and J.D. Aber. 2004. *Forests in Time: The Environmental Consequences of 1,000 Years of Change in New England*. Yale University Press. New Haven, CT.
- Foster, D.R., J.D. Aber, J.M. Melillo, R.D. Bowden, and F.A. Bazzaz. 1997. *Forest response to disturbance and anthropogenic stress. Rethinking the 1938 Hurricane and the impact of physical disturbance vs. chemical and climate stress on forest ecosystems*. *BioScience*, 47: 437–445.
- Foster, D.R. (ed.), A. D'Amato, B. Baiser, A. Ellison, D. Orwig, W. Oswald, A. Barker Plotkin, and J. Thompson. 2010. *Hemlock: A Forest Giant on the Edge*. Yale University Press. New Haven, CT.
- Foster, D.R., G. Motzkin, D. Bernardos, and J. Cardoza. 2002. *Wildlife dynamics in the changing New England landscape*. *Journal of Biogeography*, 29: 1337–1357.
- Foster, D.R. and D.A. Orwig. 2006. *Preemptive and salvage harvesting of New England forests: When doing nothing is a viable alternative*. *Conservation Biology*, 20: 959–970.
- Foster, D.R., B. Donahue, D.B. Kittredge, G. Motzkin, B.R. Hall, B.L. Turner, and E. Chilton. 2008. *New England's forest landscape: Ecological legacies and conservation patterns shaped by agrarian history*. In *Agrarian Landscapes in Transition*, edited by C.L. Redman and D.R. Foster. Oxford University Press. New York, NY.
- Foster, D.R., B.M. Donahue, D.B. Kittredge, K.F. Lambert, M.L. Hunter, B.R. Hall, L.C. Irland, R.J. Lillieholm, D.A. Orwig, A.W. D'Amato, E.A. Colburn, J.R. Thompson, J.N. Levitt, E.M. Ellison, W.S. Keeton, J.D. Aber, C.V. Cogbill, C.T. Driscoll, T.J. Fahey, and C.M. Hart. 2010. *Wildlands and Woodlands: A Vision for the New England Landscape*. Harvard University Press. Cambridge, MA.
- Foster, D.R., D.B. Kittredge, B.M. Donahue, G. Motzkin, D.A. Orwig, A.M. Ellison, B.R. Hall, E.A. Colburn, and A. D'Amato. 2005. *Wildlands and Woodlands: A Vision for the Forests of Massachusetts*. Harvard Forest Paper No. 27.
- Foster, D.R., K.F. Lambert, D.B. Kittredge, B.M. Donahue, C.M. Hart, W.G. Labich, S. Meyer, J.R. Thompson, M. Buchanan, J.N. Levitt, R. Perschel, K. Ross, G. Elkins, C. Daigle, B.R. Hall, E.K. Faison, A.W. D'Amato, R.T. Forman, P. Del Tredici, L.C. Irland, B.A. Colburn, D.A. Orwig, J.D. Aber, A. Berger, C.T. Driscoll, W.S. Keeton, R.J. Lillieholm, N. Pederson, A.M. Ellison, M.L. Hunter, and T.J. Fahey. 2017. *Wildlands and Woodlands, Farmlands and Communities: Broadening the Vision for New England*. Harvard University Press. Cambridge, MA.
- Giffen, R.A., C.M. Ryan, E.P. Belair, M.A. Pouch, and S. Brown. 2022. Storing More Carbon by Improving Forest Management in the Acadian Forest of New England, USA. *Forests*, 13: 2031–2050.
- Gill, J.L., J.W. Williams, S.T. Jackson, K.B. Lininger, and G.S. Robinson. 2009. Pleistocene megafaunal collapse, novel plant communities, and enhanced fire regimes in North America. *Science*, 326(5956): 1100–1103.
- Glover, J. 1986. *A Wilderness Original: The Life of Bob Marshall*. The Mountaineers. Seattle, WA.
- Goodby, R.G. 2021. *A Deep Presence: 13,000 Years of Native American History*. Peter Randall Publisher, Portsmouth, NH.
- Goodwin, R.H. 1952. *The Connecticut Arboretum: Its History and the Establishment of the Natural Area*. Connecticut College Arboretum Bulletin, No. 7.
- Goodwin, R.H. and G. Dreyer. 1991. *The Connecticut College Arboretum: Its sixth decade and a detailed history of the land*. Connecticut College Arboretum Bulletin, No. 32.
- Goold, V. and M.E. Abdo. 2018. *How to Save a Forest Toolkit*. Old-Growth Forest Network, Easton, MD.

- Hall, B., G. Motzkin., D.R. Foster, M. Syfert, and J. Burk. 2002. Three hundred years of forest and land-use change in Massachusetts, USA. *Journal of Biogeography*, 29: 1319–1335.
- Hall Hansen, G.F. 2007. First steps to meaningful and lasting relationships with Native peoples. *International Journal of Wilderness*, 13: 19–20.
- Haney, J.C. and C.P. Schaadt. 1996. Functional roles of eastern old growth in promoting forest bird diversity. Pages 76–88 in M.B. Davis, editor. *Eastern Old-Growth Forests: Prospects for Rediscovery and Recovery*. Island Press. Washington, D.C.
- Harvard Forest. 2020. New England protected open space. <https://zenodo.org/record/3606763#.X4ys0dR7mM8/>. Accessed 11 August, 2021.
- Harvey, M. 1998. Howard Zahniser: A Legacy of Wilderness. *Wild Earth*, Summer: 62–66.
- Harvey, M. (ed.). 2014. *The Wilderness Writings of Howard Zahniser*. University of Washington Press. Seattle, WA.
- Healy, W.M. 1997. Influence of deer on the structure and composition of oak forests in central Massachusetts. Pages 249–266 in W.J. McShea, H.B. Underwood, and J.H. Rappole, editors. *The Science of Overabundance*. Smithsonian Institution, Washington, D.C.
- Hessami, M.A., E. Bowles, J.N. Popp, and A.T. Ford. 2021. Indigenizing the North American Model of Wildlife Conservation. *FACETS*, 6: 1285–1306.
- Hiss, T. 2021. A planetary feeling. *ATJournays*, Fall: 76–84.
- Hiss, T. 2022. *Rescuing the Planet: Protecting Half the Land to Heal the Earth*. Vintage, New York, NY.
- Hollinger, D., E. Davidson, S. Praver, H. Hughes, J. Lee, A. Richardson, K. Savage, D. Sihi, and A. Teets. 2021. Multi-Decadal Carbon Cycle Measurements Indicate Resistance to External Drivers of Change at the Howland Forest AmeriFlux Site. *Journal of Geophysical Research: Biogeosciences*, 126: e2021JG006276. 21 p.
- Ibisch, P.L., M.T. Hoffman, S. Kreft, G. Pe'er, V. Kati, L. Biber-Freudenberger, D.A. DellaSala, M.M. Vale, P.R. Hobson, and N. Selva. 2016. A global map of roadless areas and their conservation status. *Science*, 354: 1423–1427.
- IPBES 2022. Methodological assessment regarding the diverse conceptualization of multiple values of nature and its benefits, including biodiversity and ecosystem functions and services. Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. Bonn, Germany, 3–9 July 2022, Agenda item 7 (b). IPBES 9L.13. United Nations.
- IPCC. 2022. *Climate Change 2022. Impacts, Adaptation and Vulnerability*. Summary for Policymakers. Working Group II contribution to the Sixth Assessment of the Intergovernmental Panel on Climate Change. IPCC Switzerland.
- Irland, L.C. 1979. *Wilderness Economics and Policy*. D.C. Heath and Company. Lexington, MA.
- Irland, L.C. 1999. *The Northeast's Changing Forest*. Harvard Forest and Harvard University Press. Cambridge, MA.
- Irland, L.C. 2013. Extreme value analysis of forest fires from New York to Nova Scotia, 1950–2010. *Forest Ecology and Management*, 294: 150–157.
- Irland, L.C. 2014. What happened to Southern New England fires? They virtually disappeared over a few decades in the mid-20th century. *The Northern Logger & Timber Processor*, September 2013: 12–17.
- Irland, L.C. 2018. Maine's public estate and conservation lands: Brief history and assessment. *Maine Policy Review*, 27(2): 11–29.
- Irland, L.C. 2020. From Wilderness to Timberland to Vacationland to Ecosystem: Maine's Forests, 1820–2020. *Maine Policy Review*, 29: 45–56.
- IUCN 2021. The benefits and risks of rewilding. International Union for Conservation of Nature Issues brief. 2 pp. June, 2021.
- Janssen, W., B. Labich, and D. Shaffer. 2019. Fulfilling Benton MacKaye's Vision: Transforming the Appalachian Trail into a Legacy of Landscape Conservation and Stewardship. Appalachian Trail Landscape Partnership Team. Case Statement. Unpublished.
- Jenner, J. 2000. Stan Murray and the push for Federal A.T. Protection. *Appalachian Trailways News*, July 2000: 31–32.
- Johnson, T. 2021. From Dream to Reality: History of the Appalachian Trail. Appalachian Trail Conservancy.
- Joppa, L.N. and A. Pfaff. 2009. High and far: Biases in the location of protected areas. *PLoS ONE*, 4: e8273.
- Judd, R. 2014. *Second Nature: An Environmental History of New England*. University of Massachusetts Press. Amherst, MA.
- Kaye, R. 2014. What future for the wildness of wilderness in the Anthropocene? *Alaska Park Science*, 13: 41–45.
- Kaye, R., P.N. Andrews, and B. Demientieff. 2021. Wilderness and traditional Indigenous beliefs. Conflicting or intersecting perspectives on the human-nature relationship? Arctic National Wildlife Refuge. U.S. Fish and Wildlife Service. Rewilding Blog. December 8, 2021.
- Keeton, W.S. 2018. Source or sink? Carbon dynamics in eastern old-growth forests and their role in climate change mitigation. Pages 267–288 in *Ecology and Recovery of Eastern Old-Growth Forests*. Island Press. Washington, D.C.
- Keeton, W.S., A.A. Whitman, G.G. McGee, and C.L. Goodale. 2011. Late-successional biomass development in northern hardwood-conifer forests of the northeastern United States. *Forest Science*, 57: 489–505.
- Keeton, W.S., C. Lorimer, B. Palik, and F. Doyon. 2018. Silviculture for old-growth in the context of global change. Pages 237–265. In Barton, A. and W.S. Keeton (eds.). *Ecology and Recovery of Eastern Old-Growth Forests*. Island Press. Washington, D.C. 340 pp.
- Kellett, M.J. 1994. Maine Woods National Park and Preserve: A Vision of What Could Be (brochure). RESTORE: The North Woods.

- Kellett, M.J. 2000. Maine Woods National Park: The Best Way to Restore the Wild. pp. 60–64. In Butler, T. (ed.), *Wild Earth*, 10, no. 2 (Summer 2000). Republished by the Environment & Society Portal, Multimedia Library. <http://www.environmentandsociety.org/node/6095>. <https://www.environmentandsociety.org/mml/wild-earth-10-no-2>
- Kellett, M.J. 2014 (2nd printing). Maine Woods National Park and Preserve: A Vision of What Could Be (brochure). RESTORE: The North Woods. <https://tinyurl.com/y3767257>(Kellett)
- Kellett, M.J., J.E. Maloof, S.A. Masino, L.E. Frelich, E.K. Faison, S.L. Brosi, and D.R. Foster. 2023. Forest-clearing to create early-successional habitats: Questionable benefits, significant costs. *Frontiers in Forests and Global Change*. In Press.
- King, B.B. 2000. Trail years: A history of the Appalachian Trail Conservancy. *Appalachian Trailways News*, July 2000: 2–52.
- Klyza, C.M. 2001a. An eastern turn for wilderness. *Wild Earth*, 2001: 10–15.
- Klyza, C.M. (ed.). 2001b. *Wilderness Comes Home: Rewilding the Northeast*. Middlebury College Press. Middlebury, VT.
- Knapp, R.A., P.S. Corn, and D.E. Schindler. 2001. The introduction of nonnative fish into wilderness lakes: Good intentions, conflicting mandates, and unintended consequences. *Ecosystems*, 4: 275–278.
- Kuehne C, J.J. Puhlick, and A.R. Weiskittel. 2018. Ecological reserves in Maine: Initial results of long-term monitoring. General Technical Report. Maine-ERM-GTR-2018
- Kuijper, D.P., J.P. Cromsigt, B. Jedrzejewska, S. Miscicki, M. Churski, W. Jedrzejewski, and I. Kweczlich. 2010. Bottom-up versus top-down control of tree regeneration in the Białowieża Primeval Forest, Poland. *Journal of Ecology*, 98: 888–899.
- Labich, B., S. Rucker, D. Shaffer, and B. Hall. 2021. Northern Appalachian Trail Landscape Partnership Strategic Plan 2021–2026. Highstead Foundation. Redding, CT.
- Landres, P.C. Barnes J.G. Dennis, T. Devine, P. Geissler, C.S. McCasland, L. Merigliano, J. Seastrand, and R. Swain. 2008. Keeping it wild: An interagency strategy to monitor trends in wilderness character across the National Wilderness Preservation System. General Technical Report RMRS-GTR-212. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Fort Collins, CO.
- Landres, P., C. Barnes, S. Boutcher, T. Devine, P. Dratch, A. Lindholm, L. Merigliano, N. Roeper, and E. Simpson. 2015. Keeping it wild 2: An updated interagency strategy to monitor trends in wilderness character across the National Wilderness Preservation System. General Technical Report RMRS-GTR-340. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Fort Collins, CO.
- Lansky, M. 1995a. Inside the Beauty Strip: Research reveals riparian buffers don't support full range of native bird species. *The Northern Forest Forum*, Mud Season: 20.
- Lansky, M. 1995b. Principles of Low Impact Forestry. *The Northern Forest Forum*, 3(5): 12.
- Lapin, M. 2005. *Old-Growth Forests: A Literature Review of the Characteristics of Eastern North American Forests*. Vermont Natural Resources Council, Montpelier, VT.
- LaRue, M.A and C.K. Nielsen. 2011. Modelling potential habitat for cougars in midwestern North America. *Ecological Modelling*, 222: 897–900.
- Leopold, A. 1921. The wilderness and its place in forest recreational policy. *Journal of Forestry*, 19(7): 718–721.
- Leopold, A. 1949. *A Sand County Almanac*. Oxford University Press. New York, NY.
- Lesica, P., B. McCune, S.V. Cope, and W.S. Hong. 1991. Differences in lichen and bryophyte communities between old-growth and managed second-growth forests in the Swan Valley, Montana. *Canadian Journal of Botany*, 69: 1745–1755.
- Lesslie, R.G. and S.G. Taylor. 1985. The wilderness continuum concept and its implications for Australian wilderness preservation policy. *Biological Conservation*, 32: 309–333.
- Levitt, J.N. 2022. Standing on the shoulders of giants: The emerging realization of MacKaye's Vision. *Appalachian Trail Journeys*, Fall: 56–67.
- Lin, S. 2021. [Connecticut College: A Commitment to Land Conservation from the Campus to Three Large Natural Areas](#). ALPINE Academic Conservation Briefs. Highstead Foundation and Lincoln Institute.
- Lindenmayer, D.B., D.R. Foster, J.F. Franklin, M.L. Hunter, R.F. Noss, F.A. Schmiegelow, and D. Perry. 2004. Salvage harvesting policies after natural disturbance. *Science*, 303: 1303.
- Littlefield, C., B. Donahue, A. D'Amato, P. Catanzaro, and D.R. Foster. 2023. *The Illusion of Preservation Revisited for New England*. University of Vermont, University of New Hampshire and Harvard University. In production.
- Loeb, C.D. and A.W. D'Amato. 2020. Large landscape conservation in a mixed ownership region. Opportunities and barriers for putting the pieces together. *Biological Conservation*, 243: 108462.
- Long, R., P. McKay, C. Reining, B. Dugelby, and K. Daly. 2002. Maine Wildlands Network Vision: A Scientific Approach to Conservation Planning in Maine. Wildlands Project. Richmond, VT.
- Lorimer, C.G. 1977. The presettlement forest and natural disturbance cycle of northeastern Maine. *Ecology*, 58: 139–148.
- Lorimer, C. and A. White. 2003. Scale and frequency of natural disturbances in the northeastern US: Implications for early successional forest habitats and regional age distributions. *Forest Ecology and Management*, 185: 41–64.

- Lovett, G.M., M. Weiss, A.M. Liebhold, T.P. Holmes, B. Leung, K.F. Lambert, D.A. Orwig, F.T. Campbell, J. Rosenthal, D.G. McCullough, R. Wildova, M.P. Ayres, C.D. Canham, D.R. Foster, S.L. LaDeau, and T. Weldy. 2016. [Nonnative forest insects and pathogens in the United States: Impacts and policy options](#). *Ecological Applications*, 26: 1437–1455.
- M's-it No'kmaq, A. Marshall, K. F. Beazley, J. Hum, s. joudry, A. Papadopoulos, S. Pictou, J. Rabesca, L. Young, and M. Zurba. 2021. ["Awakening the sleeping giant": Re-Indigenization principles for transforming biodiversity conservation in Canada and beyond](#). *FACETS*, 6: 839–869. doi:10.1139/facets-2020-0083
- MA DEM. 1989. *Massachusetts Wildlands: A Guidebook to the Commonwealth's Natural Areas*. Massachusetts Department of Environmental Management.
- MA DCR. 2012. *Landscape Designations for DCR Parks & Forests. Selection Criteria and Management Guidelines*
- Macias-Fauria, M., P. Jepson, N. Zimov, and Y. Malhi. 2020. [Pleistocene Arctic megafaunal ecological engineering as a natural climate solution?](#) *Philosophical Transactions of the Royal Society B—Biological Sciences*, 375: 20190122.
- MacKaye, B. 1921. An Appalachian trail: A project in regional planning. *The Journal of the American Institute of Architects*, 9: 325–30.
- MacKaye, B. 1929. Wilderness Ways. *Landscape Architecture*, 19: 1–11.
- MacKaye, B. 1933. Memorandum to the Commissioner of Indian Affairs. MacKaye Papers, Box 184 Special Collections, Dartmouth College, Hanover, NH. Referenced in Sutter (2002).
- Mahung, K., I. Gambill, J. Levitt and J. Sobrinho-Wheeler. 2018. [Landscape-scale conservation in the Schoodic to Schoodic region of Downeast Maine](#). Occasional Paper of the Program on Conservation Innovation. Harvard Forest, Harvard University.
- Maine Land Conservation Task Force. 2019. [Shaping the next generation of land conservation in Maine. Final report of the Land Conservation Task Force](#). 22 pages.
- Maine Legislature. 2000. [An Act to Establish Standards and Conditions for Designation of Ecological reserves on Lands Managed by the Bureau of Parks and Lands](#). S.P. 157 – L.D. 477. Chapter 592 of the Public Law, State of Maine.
- Maine Legislature. 2022. [An Act to Enhance the Ecological Reserve System](#). H.P. 541-L.D. 743. Chapter 516 of the Public Law, State of Maine.
- Marafioti, T. 2006. *Gender, Race, and Nature. A Cultural History of the Wilderness Society and the Wilderness Act of 1964*. Ph.D. Thesis. University of Utah. Salt Lake City, UT.
- Marris, E. 2022. In a warming climate we need to radically rethink how we conserve nature. *National Geographic*, August 16: 1–11.
- Marshall, R. 1930. [The problem of wilderness](#). *The Scientific Monthly*, 30: 141–148.
- Marshall, R. 1933. *The People's Forest*. University of Iowa Press. Iowa City, IA.
- Marshall, R. and A. Dobbins. 1936. Largest roadless areas in the United States. *The Living Wilderness*, 2: 11–13.
- Martin, P.S. (1984). Pleistocene overkill: The global model. Pages 354–403. In P.S. Martin and R.G. Klein (eds.) *Quaternary Extinctions*. University of Arizona Press. Tucson, AZ.
- Martin, P. 1992. The last entire Earth. *Wild Earth*, Winter: 29–32.
- McInnes, P.F., J. Naiman, J. Pastor, and Y. Cohen. 1992. Effects of moose browsing on vegetation and litter of the boreal forest, Isle Royale, Michigan, USA. *Ecology*, 73: 2059–2075.
- McKibben, B. 1995. [An explosion of green](#). *The Atlantic*, April.
- McMahon, J. 2018. *The Environmental Consequences of Forest Fragmentation in the Western Maine Mountains*. Occasional Paper 22. Maine Mountain Collaborative, Phillips, ME.
- Meigs, G.W. and W.S. Keeton. 2018. Intermediate-severity wind disturbance in mature temperate forests: Effects on legacy structure, carbon storage, and stand dynamics. *Ecological Applications*, 28: 798–815.
- Meyer, S., K. MacLeod, J. Thompson, D.R. Foster, R.T. Perschel, N. St. Clair Knobloch, J. Leibowitz, B. Donahue, A. Giffen, T. Vaughn, T. Whalen, B. Labich, A. Colnes, and J. Ammermuller. 2022. *New England's Climate Imperative: Our Forests as a Natural Climate Solution*. Highstead Foundation. Redding, CT.
- Michels, K., K. Fleming, and I. Gambill. 2019. [Middlebury College: A Creative Approach to Conservation Leads to the Protection of an Iconic Campus](#). Alpine Academic Conservation Briefs. Highstead Foundation and Lincoln Institute. Redding, CT, and Cambridge, MA.
- Michels, K. and D. Hindin. 2023. Building collaboration among community land trusts providing affordable housing and conservation land trusts protecting land for ecological value. Lincoln Institute. Cambridge, MA.
- Minteer, B.A. 2001. Wilderness and the wise province: Benton MacKaye's pragmatic vision. *Philosophy and Geography*, 4: 185–202.
- Mittlefehldt, S. 2010. The People's Path: Conflict and cooperation in the acquisition of the Appalachian Trail. *American Society of Environmental History*, 15: 643–669.
- Mittlefehldt, S. 2013. *Tangled Roots: The Appalachian Trail and American Environmental Politics*. University of Washington Press. Seattle, WA.
- MNAP 2022. [Maine Natural Areas Program, Ecological Reserve System](#). Fact Sheets, Maps, Reports, and Monitoring. Maine Department of Agriculture, Conservation, and Forestry. Augusta, ME.

- Moola, F. and R. Roth. 2019. Moving beyond colonial conservation models: Indigenous protected and conserved areas offer hope for biodiversity and advancing reconciliation in the Canadian boreal forest. *Environmental Review*, 27: 200–201. dx.doi.org/10.1139/er-2018-0091
- Moon Stumpff, L. 2000. In Wilderness there is life: An American Indian perspective on theory and action for wildlands. In: Watson, A.E., G.H. Aplet, and J.C. Hendee, compilers. 2000. *Sixth World Wilderness Congress Proceedings on Research, Management, and Allocation. Personal, societal, and ecological values of wilderness*. RMRS-P-14. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Ogden, UT.
- Moore, K.D. 2007. In the shadow of the cedars: The spiritual values of old-growth forests. *Conservation Biology*, 21: 1120–1123.
- Morse, S.C. 2021. *Wildlife and Habitats: A Collection of Natural History Essays with Photographs*. Keeping Track, Inc.
- Mrozowski, S., H. Pezzarossi, H. Herbster, and D.R. Gould. 2019. *Historical Archaeology and Indigenous Collaboration: Discovering Histories that Have Futures*. University Press of Florida. Gainesville, FL.
- NARP 1992–2022. The [Northern Forest Forum](#). A newsmagazine produced by the Northern Appalachian Restoration Project from 1992–2002. Harvard Forest Archive, Harvard University.
- National Park Service. 2006. [Management Policies 2006](#). U.S. Department of the Interior.
- National Park Service. 2008. [Appalachian National Scenic Trail Resource Plan](#). U.S. Department of the Interior.
- NEFF 2014. *New England Forest: The Path to Sustainability*. New England Forestry Foundation. Littleton, MA.
- NEFNE 2023. *New England Feeding New England. A Six-state Strategy for Food and Land Justice and Sustainability*. NEFNE Partners.
- Neill, C., B. Von Holle, K. Kleese, K.D. Ivy, A.R. Collins, C. Treat, and M. Dean. 2007. Historical influences on the vegetation and soils of the Martha's Vineyard, Massachusetts coastal sandplain: Implications for conservation and restoration. *Biological Conservation*, 136: 17–32.
- NEWT. 2018. *Forever Wild Conservation Easement*. Northeast Wilderness Trust, Montpelier, VT.
- NFA. 1997. *Wildlands. A Conservation Strategy for the Northern Forest. A proposal*. Northern Forest Alliance. Montpelier, VT.
- NFF. 2002. [Northern Forest Forum 1992–2002. Working for Sustainable Natural and Human Communities](#). Northern Appalachian Restoration Project. Stratford, NH.
- Northern Forest Lands Council. 1994. *Finding Common Ground*.
- Noss, R.F. 1983. A regional landscape approach to maintain diversity. *BioScience*, 33: 700–707.
- Noss, R.F. 1992. The Wildlands Project: Land conservation strategy. *Wild Earth*, (special issue): 10–25.
- Noss, R.F. 2003. A checklist for Wildlands Network Design. *Conservation Biology*, 17: 1271–1275.
- Noss, R.F. and A.Y. Cooperrider. 1994. *Saving Nature's Legacy: Protecting and Restoring Biodiversity*. Island Press. Washington, D.C.
- NTSA 1968. SEC. 5. (16USC1244). Public Law 90-543. National Trails System Act: 82 Stat. 919; 16 U.S.C. 1241.
- Nunery, J.S. and W.S. Keeton. 2010. Forest carbon storage in the northeastern United States: Net effects of harvesting frequency, post-harvest retention, and wood products. *Forest Ecology and Management*, 259: 1363–1375.
- Orr, D.W. 2002. *The Nature of Design: Ecology, Culture, and Human Intention*. Oxford University Press. New York, NY.
- Oswald, W.W., D.R. Foster, B.N. Shuman, E.S. Chilton, D.L. Doucette, and D.L. Duranleau. 2020. Conservation implications of limited Native American impacts in pre-contact New England. *Nature Sustainability*, 3: 241–246.
- Oswald, W.W., E.K. Faison, E.D. Doughty, B. Hall, and B.C.S. Hansen. 2007. [Post-glacial changes in spatial patterns of vegetation across southern New England](#). *Journal of Biogeography*, 34: 900–913.
- Paradis, R. 2020. [University of Vermont: Conserving Natural Areas and Research Forests](#). ALPINE Academic Conservation Briefs. Highstead and Lincoln Institute. Redding, CT, and Cambridge, MA.
- Perschel, R.T, R.A. Giffen, and F. Lowenstein. 2014. [New England Forests: The Path to Sustainability](#). New England Forestry Foundation. Littleton, MA.
- Portner, H.O. et al. 2021. [Scientific outcome of the IPBES-IPCC co-sponsored workshop on biodiversity and climate change](#). IPBES secretariat, Bonn, Germany.
- Potvin, M.J., T.D. Drummer, J.A. Vucetich, and D.E. Beyer. 2005. Monitoring and habitat analysis for wolves in upper Michigan. *Journal of Wildlife Management*, 69: 1660–1669.
- Power, T.M. 2001a. [The economic impact of the proposed Maine Woods National Park & Preserve](#). RESTORE: The North Woods. Hallowell, ME.
- Power, T.M. 2001b. [The socio-economic impact of the proposed Maine Woods National Park and Preserve. Summary](#). RESTORE: The North Woods. Hallowell, ME.
- Publicover, D. 2013. [Appalachian Mountain Club Maine Woods Initiative Forest Management Plan](#). Appalachian Mountain Club. Boston, MA.
- Publicover, D. 2016. A decade of change in the Maine Woods. *Appalachia*, Winter/Spring.
- Publicover, D. and T. Steinbach. 1995. Public land acquisition. A greater bargain than ever. *The Northern Forest Forum*, 3(5): 15.

- Publicover, D.A., K.D. Kimball, and C.J. Poppenwiner. 2021. Northeastern high-elevation areas: Ecological values and conservation priorities. *Northeastern Naturalist*, 28: 129–155.
- Reining, C. 2002. The Southern Canadian Shield and Northern Appalachians Wildlands Network. *The Northern Forest Forum*, 9(4): 19.
- Reining, C., K. Beazley, P. Doran, and C. Bettigole. 2006. [From the Adirondacks to Acadia: A Wildlands Network Design for the Greater Northern Appalachians](#). Special Paper No. 7. Wildlands Project. Richmond, VT.
- RESTORE: The North Woods. 1999. America's Next Great National Park: Preserving our Maine Woods Legacy. <https://tinyurl.com/2tde2tk3>
- RESTORE: The North Woods. 2000. Proposed. Maine Woods National Park & Preserve. Special Issue with articles by J. St. Pierre, K. DeBoer, G. Wuerthner, M. Kellett, J. Luoma, B. Wheatley, B. Evans, and R. Engholm. *The Northern Forest Forum*, 8(4): 1–25.
- RESTORE. 2022. [RESTORE: The North Woods](#). Website.
- Revive and Restore. 2022. [The Heath Hen Project](#). Website.
- Ripple, W.J., C. Wolf, M.K. Phillips, R.L. Beschta, J.A. Vucetich, J.B. Kauffman, B.E. Law, A.J. Wirsing, J.E. Lambert, E. Leslie, and C. Vynne. 2022. Rewilding the American West. *BioScience*.
- Roe, J.H. and L. Roe. 2021. Overview of Incorporating Wild Forests into Vermont's UVA Program. Wild Forests Vermont.
- Rosales, H. 2010. [The InterTribal Sinkyone Wilderness](#). *International Journal of Wilderness*, 16: 8–12.
- Rubin, R.A. 2000a. Murray Stevens. A time for transitions. *Appalachian Trailways News*, July 2000: 30–31.
- Rubin, R.A. 2000b. Where now? Survey of [ATC] board members highlights protection, education as priorities for next decade. *Appalachian Trailways News*, July 2000: 39.
- Ryan, J.H. 2017. *Blazing Ahead: Benton MacKaye, Myron Avery, and the Rivalry that Built the Appalachian Trail*. Appalachian Mountain Club Books. Boston, MA.
- Sams, C.F. 2022. Tribal co-management of Federal lands: Acknowledging the history and considering the path forward. Director, National Park Service Statement before the House Committee on Natural resources. March 8, 2022. <https://www.doi.gov/ocl/tribal-co-management-federal-lands>.
- Sarkar, S. 1999. Wilderness preservation and biodiversity conservation—keeping divergent goals distinct. *BioScience*, 49: 405–412.
- Satherthwaite, A. 1974. An Appalachian Greenway: Purposes, Prospects and Programs. Appalachian Trail Conference. Washington, D.C.
- Sayen, J. 1987. The Appalachian Mountains vision and wilderness. *Earth First!*, May: 26–30.
- Sayen, J. 1990. Notes toward a restoration ethic. *Restoration & Management Notes*, 7(2): 57–59.
- Sayen, J. 1995a. A proposal to establish a Headwaters Regional Wilderness Reserve System. *The Northern Forest Forum*, 3(5): 4–10.
- Sayen, J. 1995b. A 75-year blueprint to sustainable natural & human communities. A summary of The Northern Forest Headwaters Community Restoration Proposal. *The Northern Forest Forum*, 3(5): 3.
- Sayen, J. 1995c. A new wild land ethic. *The Northern Forest Forum*, 3(5): 3.
- Sayen, J. 2022. [Op-Ed: Cog Railway Proposes Railroad Hotel Near Congested Mt. Washington Summit](#). *InDepth New Hampshire*, August 12.
- Sayen, J. 2023. *Children of the Northern Forest*. Yale University Press. New Haven, CT.
- Scott, D.W. 2002. “Untrammeled,” “Wilderness Character,” and the challenges of Wilderness Preservation. *Wild Earth*, Fall/Winter 2001–2002: 72–79.
- Seymour, R.S., A.S. White, P.G. deMaynadier. 2002. Natural disturbance regimes in northeastern North America—evaluating silvicultural systems using natural scales and frequencies. *Forest Ecology and Management*, 155: 357–367.
- Simard, S.W. and D.M. Durall. 2004. Mycorrhizal networks: a review of their extent, function, and importance. *Canadian Journal of Botany*, 82: 1140–1165.
- Sims, K., L.G. Lee, N. Estrella-Luna, M. Lurie, and J.R. Thompson. 2022. Environmental justice criteria for new land protection can inform efforts to address disparities in access to nearby open space. *Environmental Research Letters*, 17: 064014.
- Smith, J.E., R. Molina, M.M.P. Huso, D.L. Luoma, D. McKay, M.A. Castellano, T. Lebel, and Y. Valachovic. 2002. Species richness, abundance, and composition of hypogeous and epigeous ectomycorrhizal fungal sporocarps in young, rotation-age, and old-growth stands of Douglas-fir (*Pseudotsuga menziesii*) in the Cascade Range of Oregon, U.S.A. *Canadian Journal of Botany*, 80: 186–204.
- Smith, N. and E. Bateson. 2001. How much protected land do we have in the Northern Forest? *Wild Earth*, Spring: 16–18.
- Snyder, M. 2021. Considerations for a reserve forestland subcategory in Vermont's Use Value Appraisal Program. Vermont Department of Forests, Parks and Recreation. Agency of Natural Resources.
- Soulé, M. 1999. Networks of people for networks of wildlands. *Wild Earth*, 1999/2000: 38–46.
- Soulé, M.E. and R.F. Noss. 1998. Rewilding and biodiversity: Complementary goals for continental conservation. *Wild Earth*, 3: 18–28.
- Soulé, M.E. and J. Terborgh (eds.) 1999. *Continental Conservation: Scientific Foundations of Regional Reserve Networks*. Island Press. Washington, D.C.

- Spence, M.D. 2000. *Dispossessing the Wilderness: Indian Removal and the Making of the National Parks*. Oxford University Press. New York, NY.
- Spurr, S.H. and A.C. Cline. 1942. [Ecological forestry in central New England](#). *Journal of Forestry*, 40: 418–420.
- St. Pierre, J. 2022. [Revisiting rewilding in the Allagash](#). RESTORE: The North Woods. North Woods Report. June 2022.
- St. Pierre, J. and M. Kellett. 1995. Maine Woods Watch: Proposed Maine Woods National Park. *The Northern Forest Forum*, 3(3): 19–21.
- Stephenson, N.L. and C.I. Millar. 2014. Climate change: Wilderness's greatest challenge. In *Forest Conservation and Management in the Anthropocene: Adaptation of Science, Policy, and Practices*, edited by V. Sample and R. Bixler. Conference Proceedings. Proceedings. RMRS-P-71. U.S. Department of Agriculture, Forest Service. Rocky Mountain Research Station. Fort Collins, CO.
- Stevens, S. 2014. *Indigenous Peoples, National Parks, and Protected Areas: A New Paradigm Linking Conservation, Culture, and Rights*. University of Arizona Press. Phoenix, AZ.
- Sutter, P. 1999. "A Retreat from Profit": Colonization, the Appalachian Trail, and Benton MacKaye's Wilderness Advocacy. *Environmental History*, 4: 553–557.
- Sutter, P. 2004. *Driven Wild: How the Fight against Automobiles Launched the Modern Wilderness Movement*. University of Washington Press. Seattle, WA.
- Sutter, P. 2002. Driven Wild: The problem with Wilderness. *Forest History Today*, Spring: 2–9.
- SWT. 2019. Conservation Easement for Wildlands. Sweet Water Trust.
- Taylor, D. 2016. *The Rise of the American Conservation Movement: Power, Privilege, and Environmental Protection*. Duke University Press. Durham, NC.
- Terborgh, J., J. Estes, P. Paquet, K. Ralls, D. Boyd-Heger, B. Miller, and R. Noss. 1999. Role of top carnivores in regulating terrestrial ecosystems. In *Continental Conservation: Design and Management Principles for Long-term, Regional Conservation Networks*, edited by M.E. Soulé and J. Terborgh. Island Press. Washington, D.C.
- The Nature Conservancy. 2018. Eastern U.S. Secured Lands. The Nature Conservancy. <https://www.conservationgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/edc/reportsdata/terrestrial/secured/Pages/default.aspx>
- Thom, D., M. Golivets, L. Edling, G.W. Meigs, J.D. Gourevitch, L.J. Sonter, G.L. Galford, and W.S. Keeton. Climate sensitivity of carbon, timber, and species richness in the boreal-temperate ecotone co-varies with forest development. 2019. *Global Change Biology*, 25: 2446–2458.
- Thomsen, J.M., R.B. Powell, and C. Monz. 2018. A systematic review of the physical and mental health benefits of wildland recreation. *Journal of Park and Recreation Administration*, 36: 123–148.
- Thompson, E.H., E.R. Sorenson, and R.J. Zaino. 2019. *Wetland, Woodland, Wildland: A Guide to the Natural Communities of Vermont*. Vermont Fish and Wildlife Department. Montpelier, VT.
- Thompson, J.R., D. Laflower, J. Plisinski, and M. MacLean 2020. [Land Sector Report: A Technical Report of the Massachusetts 2050 Decarbonization Roadmap Study](#). From Massachusetts Global Warming Solutions. Massachusetts Executive Office of Environmental Affairs. Boston, MA.
- Thompson, J.R., K. Lambert, D.R. Foster, M. Blumstein, B. Broadbent, and A. Almeyda Zambrano 2014. [Changes to the Land: Four Scenarios for the Future of the Massachusetts Landscape](#). Harvard Forest Paper. Petersham, MA.
- Thompson, J.R., D.N. Carpenter, C. Cogbill, and D.R. Foster 2013. [Four Centuries of Change in Northeastern United States Forests](#). *PLoS ONE*, 8: e72540.
- Thoreau, H.D. 1862. *Huckleberries*. An Essay. Reprinted 1970, Windhover Press of the University of Iowa. Iowa City, IA.
- Thoreau, H.D. 1864. *The Maine Woods*. Ticknor & Fields. Boston, MA.
- Tomao, A., J. Antonio Bonet, C. Castano, and S. De-Miguel. 2020. How does forest management affect fungal diversity and community composition? Current knowledge and future perspectives for the conservation of forest fungi. *Forest Ecology and Management*, 457: 1176–1178.
- Trombulak, S. 1998. [Wild forests are working forests](#). *Wild Earth*, 3: 73–76.
- Turner, J.M. 2001. Wilderness east: Reclaiming history. *Wild Earth*, Spring: 19–26.
- UNESCO. 1974. Program on Man and the Biosphere (MAB) Task Force on: Criteria and guidelines for the choice and establishment of biosphere reserves. MAB Report Series No. 22. 61 pp. UNESCO and UNEP.
- USA National Phenology Network. 2017. Daily Temperature Accumulations - 30-year Average Region: 49.9375,-66.4791667,24.0625,-125.0208333. https://data.usanpn.org/geoserver-request-builder?service=wcs&layer=gdd:30yr_avg_agdd&doy=365&format=geotiff&projection=4269. USA-NPN, Tucson, Arizona, USA. Accessed 25 November, 2019. <http://dx.doi.org/10.5066/F7SN0723>
- U.S. Census Bureau. 2020. 2020 TIGER/Line Shapefiles: Blocks. <https://www.census.gov/cgi-bin/geo/shapefiles/index.php?year=2020&layergroup=Blocks+%282020%29>. Accessed 2 Mar 2022.
- U.S. Congress. 1964. Wilderness Act. [An act to establish a National Wilderness Preservation System for the permanent good of the whole people, and for other purposes](#). Public Law 88-577 88th Congress. September 3, 1964.

- USDA. 2005. White Mountain National Forest Final Environmental Impact Statement. Appendix C. Inventoried Roadless Area Evaluations. U.S. Department of Agriculture.
- USDA. 2006. Green Mountain National Forest Land and Resource Management Plan.
- USGS. 1999. USGS 30 Meter Resolution, One-Sixtieth Degree National Elevation Dataset for CONUS, Alaska, Hawaii, Puerto Rico, and the U.S. Virgin Islands, Edition 1. <http://gisdata.usgs.net/ned/>. U.S. Geological Survey EROS Data Center Accessed 7 Oct 2016.
- USGS Gap Analysis Project (GAP). 2018. Protected Areas Database of the United States (PAD-US). <https://doi.org/10.5066/P955KPLE>
- USGS. 2021. National Land Cover Database (NLCD) 2019 Products (ver. 2.0, June 2021): U.S. Geological Survey data release, <https://doi.org/10.5066/P9KZCM54>
- USGS. 2022. Gap Analysis Program. <https://www.usgs.gov/programs/gap-analysis-project>
- Vail, D. 2016. *AMC's Contributions to the Maine Woods Economy. A Baseline Analysis*. Appalachian Mountain Club. Boston, MA.
- Vellak, K., and J. Paal. 1999. Diversity of bryophyte vegetation in some forest types in Estonia: A comparison of old unmanaged and managed forests. *Biodiversity and Conservation* 8: 1595–1620.
- Vera, F.W.M., E.S. Barker, and H. Olf. 2006. Large herbivores: missing partners of western European light-demanding tree and shrub species? Pages 203–231 in K. Danell, R. Bergstrom, P. Duncan, and J. Pastor, editors. *Large herbivore ecology, ecosystem dynamics and conservation*. Cambridge University Press. Cambridge, UK.
- Vest, J.H.C. 1984. "Wilderness solitude: The sacred will-of-the-land." Graduate Student Theses, Dissertations, & Professional Papers. 5013. <https://scholarworks.umt.edu/etd/5013>
- Vest, J.H.C. 1985. *Will-of-the-Land: Wilderness among Primal Indo-Europeans*. *Environmental Review*, 9(4): 323–29. <https://doi.org/10.2307/3984462>.
- Vogelmann, H. 2011. *On Schillhammer Road: The Life of a Botanist*. Tamarac Press. Jericho, VT.
- Whittaker, A. 1995. Wildlands create context for a new economic direction. *The Northern Forest Forum*, Volume 3, Number 5: 11–13.
- Wildlands Network. 2022. <https://wildlandsnetwork.org>
- Williams, T.T. 2014. *The Glorious Indifference of Wilderness*. *Orion*, September.
- Wood, M.C. and Z. Welcker, 2008. Tribes as Trustees Again (Part I): The Emerging Tribal Role in the Conservation Trust Movement. *Harvard Environmental Law Review*, 32: 373–432.
- Wood, M.C. and M. O'Brien. 2008. Tribes as Trustees Again (Part II): Evaluating Four Models of Tribal Participation in the Conservation Trust Movement. *Stanford Environmental Law Journal*, 27: 477–546.
- Yachnin, J. 2021a. Does Biden's '30x30' plan trade science for popularity? *E&E News*, June 2.
- Yachnin, J. 2021b. Biden officials: Grazing lands count for conservation goals. September 28, 2021. <https://www.eenews.net/articles/biden-officials-grazing-lands-should-count-for-conservation-goals/>
- Zahniser, H. 1956. The need for wilderness areas. *The Living Wilderness*, 59 (Winter to Spring): 37–43.
- Zahniser, H. 1957. Remarks to Society of American Foresters.
- Zahniser, H. 1961. Editorial: Managed to be left unmanaged. *The Living Wilderness*, 76 (Spring to Summer): 2.
- Zahniser, H. 1962. Hearings before the Subcommittee on Public Lands of the Committee on Interior Affairs, House of Representatives, 87th Congress, 2nd session, May 7–11, serial no. 12, part IV.
- Zahniser, H. 1963a. Editorial: Guardians not gardeners. *The Living Wilderness*, 83 (Spring to Summer): 2.
- Zahniser, H. 1963b. Hearings before the Committee on Interior and Insular Affairs, United States Senate, 88th Congress, 1st session on S. 4, February 28 and March 1, 1963.
- Zahniser, H. 1963c. *Yearbook for Agriculture*. p.184.
- Zahniser, E. 1992. *Where Wilderness Preservation Began: Adirondack Writings of Howard Zahniser*. North Country Books. Utica, NY. 88 p.
- Zurba, M., K.F. Beazley, E. English, and J. Buchmann-Duck. 2019. Indigenous Protected and Conserved Areas (IPCAs), Aichi Target 11 and Canada's Pathway to Target 1: Focusing Conservation on Reconciliation. *Land* 8(1), 10: 1–10. doi:10.3390/land8010010