Forest and Woodland Management

Semester 2



Ampoorter, E. et al. (2010) 'Assessing the effects of initial soil characteristics, machine mass and traffic intensity on forest soil compaction', Forest Ecology and Management, 260(10), pp. 1664–1676. Available at: https://doi.org/10.1016/j.foreco.2010.08.002.

Arocena, J.M. (2000) 'Cations in solution from forest soils subjected to forest floor removal and compaction treatments', Forest Ecology and Management, 133(1–2), pp. 71–80. Available at: https://doi.org/10.1016/S0378-1127(99)00299-6.

Berg, S. and Eva-Lotta, L. (no date) 'Energy use and environmental impacts of forest operations in Sweden', Energy use and environmental impacts of forest operations in Sweden, 13(1), pp. 33–42. Available at: https://libkey.io/libraries/1613/10.1016/j.jclepro.2003.09.015.

B.F. Jakobsen (no date) 'Compaction of sandy forest soils by forwarder operations', Compaction of sandy forest soils by forwarder operations, 5(1), pp. 55–70. Available at: https://libkey.io/libraries/1613/10.1016/S0167-1987(85)80016-7.

Calladine, J. et al. (2015) 'Comparison of breeding bird assemblages in conifer plantations managed by continuous cover forestry and clearfelling', Forest Ecology and Management, 344, pp. 20–29. Available at: https://doi.org/10.1016/j.foreco.2015.02.017.

Cameron, A. (2011) 'Has commercial timber production become an 'inconvenient truth?', Scottish forestry, 65(2), pp. 12–16. Available at: https://contentstore.cla.co.uk/secure/link?id=a2be677c-3fd7-e611-80c9-005056af4099.

Cameron, A.D. (2002) 'Importance of early selective thinning in the development of long-term stand stability and improved log quality: a review', Forestry, 75(1), pp. 25–35. Available at: https://doi.org/10.1093/forestry/75.1.25.

'Conservation and Restoration of PAWS' (2005a). Woodland Trust. Available at: https://llaisygoedwig.org.uk/wp-content/uploads/2013/12/Woodland-Trust-PAWS-guide.pdf.

'Conservation and Restoration of PAWS' (2005b). Woodland Trust. Available at: https://llaisygoedwig.org.uk/wp-content/uploads/2013/12/Woodland-Trust-PAWS-guide.pdf.

Croke, J., Hairsine, P. and Fogarty, P. (2001) 'Soil recovery from track construction and harvesting changes in surface infiltration, erosion and delivery rates with time', Forest Ecology and Management, 143(1–3), pp. 3–12. Available at: https://doi.org/10.1016/S0378-1127(00)00500-4.

Edwards, D.M. et al. (2012) 'Public preferences across Europe for different forest stand types as sites for recreation', Ecology and Society, 17(1). Available at: https://libkey.io/libraries/1613/10.5751/ES-04520-170127.

Engel, A.-M., Wegener, J. and Lange, M. (2012) 'Greenhouse gas emissions of two mechanised wood harvesting methods in comparison with the use of draft horses for logging', European Journal of Forest Research, 131(4), pp. 1139–1149. Available at: https://doi.org/10.1007/s10342-011-0585-2.

Evans, J. (2008) The Forests Handbook, Applying Forest Science for Sustainable Management. Hoboken: Wiley. Available at: https://ebookcentral.proguest.com/lib/bangor/detail.action?docID=351544.

Forest Research (1993) 'ATC Forwarder'. Available at: https://cdn.forestresearch.gov.uk/2022/02/odw903-1.pdf.

Forest Research (2002a) 'Forest Ground Preparation'. Available at: https://cdn.forestresearch.gov.uk/2022/02/odw1001-1.pdf.

Forest Research (2002b) 'Tree Planting'. Available at: http://www.forestry.gov.uk/pdf/ODW1002.pdf/\$FILE/ODW1002.pdf.

Forest Research Decision Support Tools Portal v2.0 (Ecological Site Classification - ESC, + other tools) (no date). Forestry Commission. Available at: http://www.forestdss.org.uk/geoforestdss/esc4m.jsp.

Forestry Commission (2016) 'Forest Yield: User Manual'. Edinburgh. Available at: https://cdn.forestresearch.gov.uk/2016/03/fcbk048.pdf.

'Forestry Recommissioned: Revitalising the woodlands of Wales' (2012). Available at: https://dokumen.tips/documents/revitalising-the-woodlands-of-wales-written-by-dr-trevor-dines-with-contributions.html?page=1.

Forestry Statistics and Forestry Facts & Figures - Forest Research (no date). Available at: https://www.forestresearch.gov.uk/tools-and-resources/statistics/forestry-statistics/.

Forrester, D.I. and Baker, T.G. (2012) 'Growth response to thinning and pruning in Eucalyptus globulus, Eucalyptus nitens, and Eucalyptus grandis plantations in southeastern Australia', Canadian Journal of Forest Research, pp. 75–87. Available at: https://libkey.io/libraries/1613/10.1139/x11-146.

Gartzia-Bengoetxea, N. et al. (2011) 'Physical protection of soil organic matter following mechanized forest operations in Pinus radiata D.Don plantations', Soil Biology and Biochemistry, 43(1), pp. 141–149. Available at: https://doi.org/10.1016/j.soilbio.2010.09.025.

Great Britain. Forestry Commission (2015) 'Thinning control'. Edinburgh: Forestry Commission. Available at:

https://www.forestresearch.gov.uk/publications/thinning-control-2015/.

Grigal, D.F. (2000) 'Effects of extensive forest management on soil productivity', Forest Ecology and Management, 138(1-3), pp. 167-185. Available at:

https://doi.org/10.1016/S0378-1127(00)00395-9.

Hamilton, G.J. (1975) Forest mensuration handbook. London: H.M.S.O.

Harmer, R. et al. (2010) Managing native broadleaved woodland. Edinburgh: Stationary Office.

Harmer, R. and Howe, J. (2003) The silviculture and management of coppice woodlands. Edinburgh: Forestry Commission.

HOPKINS, J.J. and KIRBY, K.J. (2007) 'Ecological change in British broadleaved woodland since 1947', Ibis, 149, pp. 29–40. Available at: https://doi.org/10.1111/j.1474-919X.2007.00703.x.

Horn, R. et al. (2007) 'Impact of modern forest vehicles on soil physical properties', Forest Ecology and Management, 248(1–2), pp. 56–63. Available at: https://doi.org/10.1016/j.foreco.2007.02.037.

Humphreys, D. (2012) 'Chapter 6: The Certification Wars', in Logjam: Deforestation and the Crisis of Global Governance. Hoboken: Earthscan, pp. 116–141. Available at: https://ebookcentral.proquest.com/lib/bangor/reader.action?docID=430121&ppg=143

Innes, J.L. and Tikina, A.V. (eds) (2017) Sustainable forest management: from concept to practice. Abingdon, Oxon: Routledge, an imprint of the Taylor & Francis Group. Available at: https://ebookcentral.proquest.com/lib/bangor/detail.action?docID=4771851.

Introduction to Silvicultural Systems (no date). Available at: https://www.for.gov.bc.ca/hfp/training/00014/index.htm.

Kerr, G. (1999) 'The use of silvicultural systems to enhance the biological diversity of plantation forests in Britain', Forestry, 72(3), pp. 191–205. Available at: https://doi.org/10.1093/forestry/72.3.191.

Kerr, G. et al. (2017) 'The Bradford–Hutt system for transforming young even-aged stands to continuous cover management', Forestry: An International Journal of Forest Research, pp. 1–13. Available at: https://doi.org/10.1093/forestry/cpx009.

Kerr, G., Morgan, G. and 2006 (no date) 'Does formative pruning improve the form of broadleaves trees?', Canadian Journal of Forest Research, pp. 132–141. Available at: https://libkey.io/libraries/1613/10.1139/x05-213.

Kimmins, H. (1997) 'Clearcutting: Ecosystem Destruction or Environmentally Sound Timber Harvesting?', in Balancing act: environmental issues in forestry. 2nd ed. Vancouver: UBC Press, pp. 74–105. Available at:

https://contentstore.cla.co.uk/secure/link?id=b8b39aef-3dde-e611-80c9-005056af4099.

Lacey, S.T. and Ryan, P.J. (1AD) 'Cumulative management impacts on soil physical properties and early growth of Pinus radiata', Cumulative management impacts on soil physical properties and early growth of Pinus radiata, 138(1–3,), pp. 321–333. Available at: https://libkey.io/libraries/1613/10.1016/S0378-1127(00)00422-9.

Lucas, O.W.R. (1991) The design of forest landscapes. Oxford: Oxford University Press.

Macdonald, E., Gardiner, B. and Mason, W. (2010) 'The effects of transformation of even-aged stands to continuous cover forestry on conifer log quality and wood properties in the UK', Forestry, 83(1), pp. 1–16. Available at: https://doi.org/10.1093/forestry/cpp023.

Macdonald, E. and Hubert, J. (2002) 'A review of the effects of silviculture on timber quality of Sitka spruce', Forestry, 75(2), pp. 107–138. Available at: https://doi.org/10.1093/forestry/75.2.107.

Maginnis, S. and Sayer, J.A. (2013) Forests in Landscapes: Ecosystem Approaches to Sustainability. Hoboken: Taylor and Francis. Available at: http://Bangor.eblib.com/patron/FullRecord.aspx?p=429948.

Makinen, H., Verkasalo, E. and Tuimala, A. (2014) 'Effects of pruning in Norway spruce on tree growth and grading of sawn boards in Finland', Forestry, 87(3), pp. 417–424. Available at: https://doi.org/10.1093/forestry/cpt062.

Marchi, E. et al. (2018) 'Sustainable Forest Operations (SFO): A new paradigm in a changing world and climate', Science of The Total Environment, 634, pp. 1385–1397. Available at: https://doi.org/10.1016/j.scitotenv.2018.04.084.

Mason, B., Kerr, G. and Simpson, J. (no date) 'What is Continuous Cover Forestry?' Forestry Commission. Available at: http://www.forestry.gov.uk/pdf/fcin29.pdf/\$FILE/fcin29.pdf.

Matthews, J.D. (1991) Silvicultural systems. Oxford: Clarendon Press.

Matthews, R.W. et al. (2016) Forest Yield: a handbook on forest growth and yield tables for British forestry. Edinburgh: Forestry Commission. Available at: https://www.forestresearch.gov.uk/publications/forest-yield-a-handbook-on-forest-growth-a nd-yield-tables-for-british-forestry/.

Matthews, R.W. and Mackie, E.D. (2006) Forest mensuration: a handbook for practitioners. Second edition. Edinburgh: Forestry Commission.

Michelsen, O., Solli, C. and Strømman, A.H. (2008) 'Environmental Impact and Added Value in Forestry Operations in Norway', Journal of Industrial Ecology, 12(1), pp. 69–81. Available at: https://doi.org/10.1111/j.1530-9290.2008.00008.x.

Nieuwenhuis, M. (2000) Terminology of forest management: terms and definitions in English: equivalent terms in German, French, Spanish, Italian, Portuguese, Hungarian and Japanese. Vienna: IUFRO.

Nussbaum, R. (2012) The Forest Certification Handbook. 2nd ed. Hoboken: Taylor and Francis. Available at:

https://ebookcentral.proguest.com/lib/bangor/detail.action?docID=430046.

O'Hara, K.L. (2016) 'What is close-to-nature silviculture in a changing world?', Forestry, 89(1), pp. 1–6. Available at: https://doi.org/10.1093/forestry/cpv043.

Osmaston, F.C. (1968) The management of forests. Allen & Unwin.

Peterken, G.F. (1995) 'Section 18.9: The Forestry Profession', in Natural woodland: ecology and conservation in northern temperate regions. New York: Cambridge University Press, pp. 482–484. Available at:

https://contentstore.cla.co.uk/secure/link?id=bfb4aaac-63e1-e611-80c9-005056af4099.

Peterken, G.F., Mountford, E.P., and author (2017) Woodland Development: A long term study of Lady Park Wood. Wallingford, Oxfordshire, UK: CAB International. Available at: https://search.ebscohost.com/login.aspx?direct=true&scope=site&db=nlebk&db=nlabk&A N=2415917.

Price, C. (1989) The theory and application of forest economics. Oxford: B. Blackwell.

Price, C. (1993) Time, discounting, and value. Oxford: Blackwell.

Price, M. (2011) 'Woodfuel Processors for the Small and Medium Scale'. Biomass Energy Centre, Forest Research. Available at:

http://www.forestry.gov.uk/pdf/FR_BEC_Woodfuel_processors_for_the_small_and_medium_s cale_FCPR042_2011.pdf/\$FILE/FR_BEC_Woodfuel_processors_for_the_small_and_medium_s cale_FCPR042_2011.pdf.

Proto, A.R. et al. (2018) 'A Case Study on the Productivity of Forwarder Extraction in Small-Scale Southern Italian Forests', Small-scale Forestry, 17(1), pp. 71–87. Available at: https://doi.org/10.1007/s11842-017-9376-z.

Rackham, O. (2006) 'Chapter 18: Modern Forestry, its Rise and Fall', in Woodlands.
London: Collins, pp. 344–363. Available at:

https://contentstore.cla.co.uk/secure/link?id=fa8c52b5-f7db-e611-80c9-005056af4099.

Rytter, L. and Werner, M. (2007) 'Influence of early thinning in broadleaved stands on development of remaining stems', Scandinavian Journal of Forest Research, 22(3), pp. 198–210. Available at: https://doi.org/10.1080/02827580701233494.

Schirmer, J., Pirard, R. and Kanowski, P. (2015) 'Chapter 9: Promises and perils of plantation forestry', in Forests, Business and Sustainability. Florence: Taylor and Francis, pp. 153–178. Available at:

https://ebookcentral.proquest.com/lib/bangor/reader.action?docID=4218680&ppg=16.

Scottish Forestry (no date) 'Design techniques for forest management planning'. Available at:

https://forestry.gov.scot/publications/106-design-techniques-for-forest-management-planning.

'Silvicultural systems for tomorrow' (no date). Continuous Cover Forestry Group. Available at:

https://www.yumpu.com/en/document/read/32138585/silvicultural-systems-for-tomorrow-continuous-cover-forestry-group.

Spathelf, P. (2009) Sustainable Forest Management in a Changing World: a European Perspective. Dordrecht: Springer. Available at:

https://ebookcentral.proquest.com/lib/bangor/detail.action?docID=511345.

Statistics (no date). Forestry Commission, 231 Corstorphine Road, Edinburgh EH12 7AT, Tel: 0131 334 0303. Available at: http://www.forestry.gov.uk/statistics.

'The UK forestry standard: the governments' approach to sustainable forest management' (2017). Edinburgh: Forestry Commission. Available at: https://www.gov.uk/government/publications/the-uk-forestry-standard.

Tittler, R., Messier, C. and Goodman, R.C. (2016) 'Chapter 2: Triad Forest Management: Local Fix or Global Solution?', in G.R. Larocque (ed.) Ecological forest management handbook. Boca Raton, FL: CRC Press, Taylor & Francis Group, pp. 33–45. Available at: https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=1148934&site=ehost-live&ebv=EB&ppid=pp_33.

Tompkins, S. (1989) 'Chapter 10. Upland Forestry: Second-rate forests', in Forestry in crisis . London: Christopher Helm, pp. 121–141. Available at: https://contentstore.cla.co.uk/secure/link?id=4b0aaced-3ed7-e611-80c9-005056af4099.

UKWAS | UK Woodland Assurance Standard (no date). Available at: https://ukwas.org.uk/. Vandekerkhove, K. et al. (2009) 'When nature takes over from man: Dead wood accumulation in previously managed oak and beech woodlands in North-western and Central Europe', Forest Ecology and Management, 258(4), pp. 425–435. Available at: https://doi.org/10.1016/j.foreco.2009.01.055.

Walmsley, J.D. and Godbold, D.L. (2010) 'Stump Harvesting for Bioenergy - A Review of the Environmental Impacts', Forestry, 83(1), pp. 17–38. Available at: https://doi.org/10.1093/forestry/cpp028.

Welsh Government (2018) Woodlands for Wales Strategy. Available at: https://beta.gov.wales/woodlands-wales-strategy.

Williamson, T. (2017) Trees in England: management and disease since 1600. Hatfield, Hertfordshire: University of Hertfordshire Press. Available at: https://ebookcentral.proquest.com/lib/bangor/detail.action?docID=5100514.

Worrell, R. (1997) 'The influence of some forest operations on the sustainable management of forest soils - a review', Forestry, 70(1), pp. 61–85. Available at: https://doi.org/10.1093/forestry/70.1.61.