



SUGGESTED ADDITIONAL READING

3.1.1 McHarg, I. L. 1971. Design with Nature. Doubleday/Natural History Press.

Burrough, P.A. *et al.* 2015. Principles of Geographical Information Systems. Oxford U. Press.

3.1.2 West, P.A. 2015. Tree and Forest Measurement. Springer. Ch. 1,2,9.

Any textbook on Statistics. First chapters.

Leigh, A. 2018. Randomistas: How Radical Researchers Changed Our World. LaTrobe Univ. Press.

Robinson, A.P. and J.D. Hamann. 2011. Forest Analytics with R: An Introduction. Springer. Ch. 1-2.

Huff, D. 1954. How to Lie with Statistics. Norton & Co.

3.1.3 West, P.A. 2015. Tree and Forest Measurement. Springer. Ch. 6.

Robinson, A.P. and J.D. Hamann. 2011. Forest Analytics with R: An Introduction. Springer. Ch. 5-7.

Clutter, J.L. *et al.* 1983. Timber Management: A Quantitative Approach. Wiley. Part 1 and Appendix C.

Vanclay, J.K. 1994. Modelling Forest Growth and Yield. CAB Intl.

3.3.1 Chikumbo, O., Spencer, R.D., Turner, B.J., and Davey, S. 2001. Planning and monitoring of forest sustainability: an Australian perspective. Aust. For. 64(1): 1-7.



SUGGESTED ADDITIONAL READING

Clutter, J.L. *et al.* 1983. Timber Management: A Quantitative Approach. Wiley. Ch. 7-9.

Buongiorno, J. and K. Gilless. 2002. Decision Methods for Forest Resource Managers. Ch. 14, 15. Academic Press.

Burkhardt, H.E. and M. Tome. 2012. Modeling Forest Trees and Stands. Springer.

Makela, A. and H. Valentine. 2020. Models of Tree and Stand Dynamics. Springer.

Rayner, M. E. and B. J. Turner. 1990. Growth and yield modelling of Australian eucalypt forests I. Historical development. Aust. For. 53(4): 224-237.

Rayner, M. E. and B. J. Turner. 1990. Growth and yield modelling of Australian eucalypt forests II. Future trends. Aust. For. 53(4): 238-247.

Almeida, A. 2021. Towards adaptable growth and yield forecasting models under current and future climate. Proc., 2021 IFA/AFG National Conference, Launceston, Tas.

Smethurst, P. 2021. Next generation resource assessment and forecasting for Australian plantation forestry: hybridizing process-based modelling, remote sensing and traditional inventory. Proc., 2021 IFA/AFG National Conference, Launceston, Tas.

Forestry Corporation of NSW. 2016. Forest Resource and Management Evaluation System (FRAMES).





SUGGESTED ADDITIONAL READING

https://www.forestrycorporation.com.au/__data/assets/pdf_file/0016/702007/frames-development-and-implementation.pdf

3.3.2 Bettinger, P. *et al.* 2010. Forest Management and Planning. Academic Press.

Clutter, J.L. *et al.* 1983. Timber Management: A Quantitative Approach. Wiley. Ch. 10.

Robinson, A.P. and J.D. Hamann. 2011. Forest Analytics with R: An Introduction. Springer. Ch. 8-9.

Buongiorno, J. and K. Gilless. 2002. Decision Methods for Forest Resource Managers. Academic Press.

Dargavel, J., J. Holden, R. P. Brinkman and B. J. Turner. 1995. Advancing forest planning: reflections on the Otway Forest Management Planning Project. *Aust. Forestry* 58(2):22-30.

Turner, B. J. 1995. The forest planners' fundamental questions: where and when? In: L. Bren & C. Greenwood (Ed.) *Applications of New Technologies in Forestry: Proc., Inst. of Foresters of Aust. 16th Bienn. Conf., Ballarat, Vic.* Pp. 93-99.

Turner, B.J., Chikumbo, O., and Davey, S.M. 2002. Optimization modeling of sustainable forest management at the regional level: an Australian example. *Ecological Modelling* 153(1-2): 157-179.

Brack, C.L. and M. McLarin. 2017. Strategic forest planning and operational decisions under uncertainty. *Aust. Forestry* 80(2): 69-77.





SUGGESTED ADDITIONAL READING

Forestry Corporation of NSW. 2020. 2019–20 Wildfires NSW Coastal Hardwood Forests Sustainable Yield Review.

https://www.dpi.nsw.gov.au/_data/assets/pdf_file/0004/1299388/fcns-w-sustainable-yield-report-2019-20-wildfires.pdf

3.4.1 West, P.A. 2015. Tree and Forest Measurement. Springer. Ch. 1-8.

Wood, G.B., Turner, B. J. and Brack, C. L (Eds). 1999. Code of Forest Mensuration Practice. Aust. Forestry Council Research Working Group #2. 62 pp.

Clutter, J.L. *et al.* 1983. Timber Management: A Quantitative Approach. Wiley. Ch. 3.

3.4.2 West, P.A. 2015. Tree and Forest Measurement. Springer. Ch. 9-11.

Wood, G.B., Turner, B. J. and Brack, C. L (Eds). 1999. Code of Forest Mensuration Practice. Aust. Forestry Council Research Working Group #2. 62 pp.

3.5.1 Curran, P.J. 1983. Principles of Remote Sensing. Longman Scientific & Technical.

Sabins Jr, F. and J. Ellis. 2020. Remote Sensing: Principles, Interpretation and Applications. 4th Ed. Waveland Press.

Richards, J. 2013. Remote Sensing Digital Image Analysis: an Introduction. 5th Ed, Springer.



SUGGESTED ADDITIONAL READING

Hislop, S. 2021. Applying time series analysis of satellite imagery to monitoring and map disturbance in native forests. Proc., 2021 IFA/AFG National Conference, Launceston, Tas.

West, P.A. 2015. Tree and Forest Measurement. Springer. Ch. 13.

Dibley, G.J., Dury, S.J., and Turner, B J. 1999. Hyperspectral remote sensing of native eucalypt forests. In: Ellis, R. and Smethurst, P. (eds) Proc., 18th Biennial Conf. Of the Institute of Foresters of Australia: 117-118.

Turner, B., *et al.* 2007. Remotely sensing the dry sclerophyll forests of the Southeastern Highlands. In: [ANZIF]. 2007. *The 2007 Institute of Foresters of Australia and New Zealand Institute of Forestry Conference, Programme, Abstracts & Papers*, Coffs Harbour, Australia. Pp 395-403.

Forestry Corporation of NSW. 2020. 2019–20 Wildfires NSW Coastal Hardwood Forests Sustainable Yield Review.
https://www.dpi.nsw.gov.au/_data/assets/pdf_file/0004/1299388/fcnsw-sustainable-yield-report-2019-20-wildfires.pdf

3.5.2 Kaplin, E. and C.J. Hegarty. 2017. Understanding GPS/GNSS: Principles and Applications. 3rd Ed. Artech House.

West, P.A. 2015. Tree and Forest Measurement. Springer. Ch. 13.

Wulder, M.A. *et al.* 2008. The Role of LIDAR in Sustainable Forest Management. Forest Chronicle 84(6): 807-826.



SUGGESTED ADDITIONAL READING

Kathuria, A. *et al.* 2016. Development of an automated individual tree detection model using point-cloud LIDAR data for accurate tree counts in a *Pinus radiata* plantation. *Aust. Forestry* 79(2): 126-136.

Stone, C. *et al.* 2016. Alternatives to LIDAR-derived canopy height models for softwood plantations. *Aust. Forestry* 79(4): 271-282.

Melville, G. and C. Stone. 2016. Optimising nearest neighbour information --- a simple, efficient sampling strategy for forestry plot imputation using remotely sensed data. *Aust. Forestry* 79(3): 217-228.

Caccamo, G.I, *et al.* 2018. Comparing yield estimates derived from LIDAR and aerial photogrammetric point-cloud data with cut-to-length harvester data in a *Pinus radiata* plantation in Tasmania. *Aust. Forestry* 81(3): 131-141.

Brack, C. *et al.* 2020. Comparing terrestrial laser scanners' ability to measure tree height and diameter in a managed forest environment. *Aust. Forestry* 83(3): 161-171.

Bettinger, P. *et al.* 2010. *Forest Management and Planning*. Academic Press. Ch. 16.

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