

RAINFOREST RESTORATION SUPPLEMENTARY CD

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Preamble to the Supplementary CD

- Acknowledgements
- Heart-felt thanks
- Standing on the shoulders of others
- How to make intuitive ecology work for you
- Paradigms for rainforest restoration

Chapter S1 Scope and history

- What is ecological restoration?
- Scope
- Threats to rainforest
- Rainforest types covered by the Manual
- Rainforest types restricted to New South Wales
- Rainforest types found in both New South Wales and Victoria
- What role can rainforest restoration play?
- Rainforest restoration and conservation
- History

Chapter S2 Why restore rainforest?

- Legal status
- Rainforest values
- Biodiversity
- Landscape context

Chapter S3 Social theory and philosophy

- Introduction
- Human factors: the social context
- Gaining support for your project: the social contract
- Signage
- Strategic placement of your project
- General attitude
- Fencing
- Urban neighbourhood considerations
- Rural neighbourhood considerations

Chapter S4 Ecological theory

- Introduction

- Ecological principles
- Niches (who lives where and why)
- Incident light niches (in nature and restoration)
- Moisture niches
- Emergent trees
- Stranglers
- The importance of eucalypts in rainforest ecology
- Hollows, water and drought
- Rainforest gaps
- Other niches
- Epiphytes and moisture-dependent plants
- Parasites
- When it happens and why it happens (phenology)
- Wind and water

Chapter S5 Where your site sits in the landscape

- Landscape context
- Contiguity, proximity, size and width: helping your restoration site to be the best it can
- Structural complexity and biodiversity: one reason why restoration is better than revegetation
- Integrating landscape theory, ecological theory and social philosophy

Chapter S6 General principles

- General principles
- Accreditation
- Project planning and implementation
- Community engagement and networking
- Pilot projects and trials
- Project planning
- Project implementation steps
- Reference sites
- Funding sources and extension advice
- Adaptive management
- Monitoring methods
- Integrated weed management
- Soil seed banks: free seed in your soil
- Successional planting
- Companion planting

Chapter S7 Managing disturbance

- Fire management at the landscape scale
- Fire management at the local scale
- Disturbance
- Frost and frost management

Chapter S8 Plant stock and planting

- Genetics and sourcing plant propagation material
- Propagation
- Translocation, division and transplanting
- Plant stock
- Ordering plants from nurseries
- Planting seasons across south-eastern Australia
- Planting times by region, landscape unit and climatic
- Timelines: a rainforest by when?
- Planting prescriptions

Chapter S9 Rainforest depletion in south-eastern Australia

- Introduction
- Depletion by rainforest type

Depletion by locality: where does (or did) the rainforest once occur?
New South Wales (South Eastern Highlands Bioregion)
New South Wales (South East Corner Bioregion)
East Gippsland (South Eastern Highlands Bioregion)
East Gippsland (South East Corner Bioregion)
Central Highlands (South Eastern Highlands Bioregion)
Central Highlands (Australian Alps Bioregion)
Otway Ranges (South Eastern Highlands Bioregion)
Strzelecki Ranges (South Eastern Highlands Bioregion)
Wilsons Promontory (Flinders Bioregion)

APPENDICES TO SUPPLEMENT

CHAPTER S1:

Appendix S1. Rare, threatened or listed species, rainforest types and listed threatening processes.
Appendix S2. Taxa at their edge of range for Australia.
Appendix S3. Rainforest weed ecology (transforming and emerging weeds): priorities and management.

CHAPTER S4

Appendix S4. Natural regeneration on rainforest restoration sites.
Appendix S5. Flood (inundation) tolerant species and flood-mud regenerators.
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Appendix S7. Maturation times for species from planting.
Appendix S8. Flowering and seeding calendar (including pollinators).
Appendix S9. Butterflies of rainforest in south-eastern Australia.
Appendix S10. Plant seed dispersal agents and predators.

CHAPTER S5

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Appendix S12. Edge closing species.

CHAPTER S6:

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Appendix S14. Adaptive management in rainforest restoration.
Appendix S15. Germination times for natural regeneration by month and by species.
Appendix S16. Successional planting.
Appendix S17. Framework Rainforest Restoration Method species planting guide by rainforest type.

CHAPTER S7:

Appendix S18. Fire and ground disturbance responses of rainforest plants (including pioneer species).
Appendix S19. Plants that seed or flower profusely during or immediately after drought.
Appendix S20. Frost sensitivity for rainforest plants.

CHAPTER S8:

Appendix S21. Species not suited to planting near fences and paths.

OTHER RESOURCES

An operationalisation plan for rainforest restoration

Definitions and synonymy

Glossary

References

Rainforest Plant Propagation Manual for south-eastern Australia

Teaching materials

Further reading

Useful contacts

ADDITIONAL READING (see East Gippsland Rainforest Conservation Management Network website at: www.egrainforest.org.au)