

1 **Appendix 1.**

2

3 **Table A1.1** Description of each vegetation type sampled and the disturbance and
4 management history.

5

Vegetation type	No. quadrats	Description	Disturbance history
Apple Box - Norton's Box - Red Stringybark moist grassy tall open forest	6	Canopy dominated by <i>Eucalyptus bridgesiana</i> , <i>E. nortonii</i> and <i>E. macrorhyncha</i> . Mid-storey species include <i>Acacia dealbata</i> , <i>Bursaria spinosa</i> and <i>Exocarpos cupressiformis</i> . Ground cover species include <i>Microlaena stipoides</i> , <i>Dichondra repens</i> and <i>Senecio</i> sp.	Grazing
Black Booyong - Rosewood - Yellow Carabeen subtropical rainforest	5	Canopy species include <i>Dysoxylum fraserianum</i> and <i>Heritiera actinophylla</i> . Mid-storey species include <i>Neolitsea</i> sp. and <i>Capparis arborea</i> . Ground cover includes <i>Adiantum formosum</i> and <i>Pteris umbrosa</i>	Habitat fragmentation
Black Sallee grassy woodland	5	Canopy dominated by <i>Eucalyptus stellulata</i> and <i>E. pauciflora</i> . Grassy understorey dominated by <i>Poa sieberiana</i> and <i>P. labillardierei</i>	Grazing, timber harvesting, and pollution
Blakely's Red Gum - Yellow Box grassy woodland	5	Canopy dominated by <i>Eucalyptus blakelyi</i> and <i>E. melliodora</i> . Mid-storey dominated by <i>Acacia dealbata</i> . Ground cover species include <i>Themeda australis</i> , <i>Poa sieberiana</i> and <i>Bothriochloa macra</i>	Grazing
Blue-leaved Stringybark shrubby open forest	4	Canopy dominated by <i>Eucalyptus agglomerata</i> . Mid-storey species include <i>Acacia</i> sp, <i>Monotoca scoparia</i> and <i>Podolobium ilicifolium</i> . Ground cover species include <i>Joycea pallida</i> , <i>Caustis flexuosa</i> and <i>Lomandra longifolia</i>	Timber harvesting
Brittle Gum - peppermint open forest	6	Canopy dominated by <i>Eucalyptus mannifera</i> and <i>E. dives</i> . Mid-storey species include <i>Hibbertia obtusifolia</i> , <i>Monotoca scoparia</i> and <i>Platylobium formosum</i> . Ground cover species include <i>Senecio tenuiflorus</i> , <i>Joycea pallid</i> and <i>Gonocarpus tetragynus</i>	Grazing and timber harvesting
Broad-leaved Ironbark - <i>Melaleuca decora</i> shrubby open forest	5	Canopy dominated by <i>Eucalyptus fibrosa</i> . Mid-storey species include <i>Lissanthe strigosa</i> , <i>Melaleuca nodosa</i> and <i>Daviesia ulicifolia</i> . Ground cover includes <i>Entolasia stricta</i> , <i>Microlaena stipoides</i> and <i>Cheilanthes sieberi</i>	Altered water regimes and pollution

6

7 **Table A1.1** Continued

8

Vegetation type	No. quadrats	Description	Disturbance history
Broad-leaved Peppermint - Norton's Box - Red Stringybark tall open forest	5	Canopy dominated by <i>Eucalyptus dives</i> , <i>E. nortonii</i> and <i>E. macrorhyncha</i> . Mid-storey species include <i>Acacia dealbata</i> , <i>Cassinia aculeata</i> and <i>Hibbertia</i> sp. Ground cover species include <i>Poa sieberiana</i> , <i>Lomandra filiformis</i> and <i>Joycea pallida</i>	Grazing
Broad-leaved Stringybark - Blakely's Red Gum grassy woodlands	8	Canopy dominated by <i>Eucalyptus caliginosa</i> and <i>E. blakelyi</i> . Grassy understorey dominated by <i>Poa sieberiana</i> and <i>Themeda australis</i>	Timber harvesting
Dwyer's Red Gum - Black Cypress Pine - Currawang woodland	6	Canopy dominated by <i>Eucalyptus dwyeri</i> , <i>Callitris endlicheri</i> and <i>Acacia doratoxylon</i> . Mid-storey species include <i>Cassinia laevis</i> , <i>Grevillea floribunda</i> , <i>Acacia</i> sp. Ground cover species include <i>Gonocarpus elatus</i> , <i>Lepidosperma laterale</i> and <i>Austrostipa</i> sp.	Grazing and timber harvesting
Forest Red Gum - Rough-barked Apple - White Stringybark grassy woodlands	5	Canopy dominated by <i>Eucalyptus tereticornis</i> , <i>Angophora floribunda</i> and <i>E. globoidea</i> . Mid-storey of <i>Acacia mearnsii</i> , <i>Bursaria spinosa</i> and <i>Ozothamnus diosmifolius</i> . Ground cover species include <i>Themeda australis</i> , <i>Notodanthonia racemosa</i> and <i>Dichanthium sericeum</i>	Grazing, timber harvesting and mining
Giant Stinging Tree - Fig dry subtropical rainforest	6	Canopy dominated by <i>Dendrocnide excelsa</i> and <i>Ficus</i> sp. Mid-storey species include <i>Eupomatia laurina</i> and <i>Pittosporum multiflorum</i> . Ground cover species include <i>Adiantum formosum</i> and <i>Pellaea falcate</i>	Inappropriate fire regimes
Grey Box - Forest Red Gum - Grey Ironbark open forest	6	Canopy dominated by <i>Eucalyptus siderophloia</i> , <i>E. tereticornis</i> and <i>E. propinqua</i> . Mid-storey of <i>Allocasuarina torulosa</i> . Ground cover species include <i>Themeda australis</i> , <i>Desmodium varians</i> , and <i>Dichondra repens</i>	Grazing and timber harvesting
Grey Gum - Narrow-leaved Stringybark - ironbark woodland	7	Canopy species include <i>Eucalyptus punctata</i> , <i>E. sparsifolia</i> and <i>E. crebra</i> . Mid-storey species include <i>Acacia</i> sp., <i>Persoonia linearis</i> and <i>Leucopogon muticus</i> . Ground cover species include <i>Lomandra glauca</i> and <i>Cleistochloa rigida</i>	Grazing and inappropriate fire regimes
Hoop Pine - Yellow Tulipwood dry rainforest	5	Canopy dominated by <i>Araucaria cunninghamii</i> and <i>Backhousia sciadophora</i> . Mid-storey species include <i>Capparis arborea</i> and <i>Citriobatus pauciflorus</i> . Ground cover species include <i>Doodia aspera</i> and <i>Pellaea falcate</i>	Timber harvesting

9

10 **Table A1.1** Continued

11

Vegetation type	No. quadrats	Description	Disturbance history
Mangrove forest	6	Canopy of <i>Avicennia marina</i> and <i>Aegiceras corniculatum</i> . Ground cover dominated by <i>Sarcocornia quinqueflora</i>	Grazing
Mountain Ribbon Gum - Messmate open forest	7	Canopy dominated by <i>Eucalyptus nobilis</i> and <i>E. obliqua</i> . Mid-storey dominated by <i>Leucopogon lanceolatus</i> , <i>Podolobium ilicifolium</i> , <i>Acacia</i> sp. Ground cover species include <i>Lomandra longifolia</i> , <i>Pteridium esculentum</i> and <i>Poa sieberiana</i>	Timber harvesting and mining
Mugga Ironbark - Red Stringybark - Long-leaved Box dry grass forest	6	Canopy species include <i>Eucalyptus macrorhyncha</i> , <i>E. rossii</i> and <i>E. goniocalyx</i> . Mid-storey dominated by <i>Allocasuarina verticillata</i> and <i>Callitris</i> sp. Ground cover species include <i>Cheilanthes sieberi</i> , <i>Gonocarpus tetragynus</i> and <i>Daucus glochidiatus</i>	Grazing and mining
New England Blackbutt - Tallowood grassy forest	7	Overstorey dominated by <i>Eucalyptus campanulata</i> and <i>E. microcorys</i> . Mid-storey dominated by <i>Allocasuarina torulosa</i> and <i>Leucopogon lanceolatus</i> . Ground cover includes <i>Hibbertia scandens</i> , <i>Pteridium esculentum</i> and grasses such as <i>Poa sieberiana</i> and <i>Imperata cylindrica</i>	Grazing, inappropriate fire regimes and timber harvesting
<i>Phragmites australis</i> and <i>Typha orientalis</i> coastal freshwater wetlands	8	Freshwater wetland community dominated by <i>Phragmites australis</i> , <i>Typha orientalis</i> and a wide variety of sedge and rush species including <i>Elaeocharis sphacelata</i> , <i>Ludwigia peploides</i> , <i>Triglochin procera</i> and <i>Juncus usitatus</i>	Altered water regimes, grazing and timber harvesting
Red Bloodwood - Blackbutt - Spotted Gum shrubby open forest	6	Canopy dominated by <i>Corymbia gummifera</i> , <i>C. maculata</i> and <i>Eucalyptus pilularis</i> . Mid-storey species include <i>Allocasuarina littoralis</i> , <i>Pimelea linifolia</i> and <i>Banksia spinulosa</i> . Ground cover species include <i>Entolasia stricta</i> , <i>Lomandra longifolia</i> and <i>Dianella caerulea</i>	Timber harvesting
Red Bloodwood - Hard-leaved Scribbly Gum - Silvertop Ash heathy open forest	5	Canopy dominated by <i>Corymbia gummifera</i> and <i>Eucalyptus sclerophylla</i> . Mid-storey species include <i>Lambertia formosa</i> , <i>Persoonia levis</i> and <i>Banksia spinulosa</i> . Ground cover species include <i>Lomandra obliqua</i> , <i>Patersonia sericea</i> , and <i>Entolasia stricta</i>	Inappropriate fire regimes

12

13 **Table A1.1** Continued

14

Vegetation type	No. quadrats	Description	Disturbance history
Red Bloodwood - scribbly gum heathy woodland	7	Canopy dominated by <i>Corymbia gummifera</i> and <i>Eucalyptus haemastoma</i> . Mid-storey species include <i>Leptospermum trinervium</i> , <i>Lambertia formosa</i> and <i>Persoonia levis</i> . Ground cover species include <i>Caustis flexuosa</i> , <i>Lomandra</i> sp. and <i>Dampiera stricta</i>	Land clearing
Red Box - Long-leaved Box - Red Stringybark sheltered open forest	6	Canopy dominated by <i>Eucalyptus goniocalyx</i> , <i>E. polyanthemos</i> and <i>E. macrorhyncha</i> . Mid-storey species include <i>Brachyloma daphnoides</i> , <i>Acacia paradoxa</i> and <i>Persoonia sericea</i> . Ground cover species include <i>Joycea pallida</i> , <i>Poa sieberiana</i> and <i>Gonocarpus tetragynus</i>	Grazing, mining and timber harvesting
Red Stringybark woodland	7	Canopy dominated by <i>Eucalyptus macrorhyncha</i> and <i>E. polyanthemos</i> . Mid-storey species include <i>Hibbertia obtusifolia</i> and <i>Macrozamia secunda</i> . Ground cover species include <i>Lomandra</i> sp., <i>Lepidosperma laterale</i> and <i>Patersonia sericea</i>	Mining
River Red Gum - herbaceous tall open forest	5	Canopy dominated by <i>Eucalyptus camaldulensis</i> . Mid-storey dominated by <i>Acacia stenophylla</i> . Ground cover species include <i>Paspalidium jubiflorum</i> , <i>Wahlenbergia fluminalis</i> and <i>Senecio quadridentatus</i>	Altered water regimes, grazing and timber harvesting
Spotted Gum - Grey Ironbark open forest	7	Canopy dominated by <i>Corymbia maculata</i> and <i>Eucalyptus siderophloia</i> , and <i>E. punctata</i> . Midstorey dominated by <i>Breynia oblongifolia</i> . Ground cover species include <i>Imperata cylindrical</i> , <i>Entolasia stricta</i> and <i>Themeda australis</i>	Grazing and timber harvesting
White Box - Red Stringybark shrubby woodlands	4	Canopy dominated by <i>Eucalyptus albens</i> and <i>E. macrorhyncha</i> . Mid-stroey species include <i>Olearia elliptica</i> , <i>Notelaea microcarpa</i> and <i>Cassinia quinquefaria</i> . Ground cover species include <i>Oplismenus aemulus</i> , <i>Gahnia aspera</i> and <i>Desmodium brachypodum</i>	Grazing and timber harvesting

15