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Appendix 1

Wood densities of tree species encountered in the vegetation survey (Chapter 5). Data obtained from Osunkoya (1996), Cause *et al*. (1989), Hyland (1989) and from expert advice (Dr Steve Goosem, *pers. comm*., citing Floyd 1989 and Watson 1951). Wood specific gravity = wood density (kg m^{-3})/1000.

Species	**Family**	**Wood Density (kg m^{-3})**
Trees		
Aceratium megalospermum	Eleaocarpaceae	625
Acmena graveolens	Myrtaceae	595
Acronychia vestita	Rutaceae	705
Aglaia meridionalis	Meliaceae	700 (47)*
Aglaia tomentosa	Meliaceae	700 (47)*
Alangium villosum	Alangiaceae	705
Alphitonia petriei	Rhamnaceae	515
Alstonia scholaris	Apocynaceae	400
Antirrhea tenuiflora	Rubiaceae	805 (58)*
Apodytes brachystylis	Icacinaceae	655
Archidendron whitei	Mimosaceae	705 (74)*‡
Argyrodendron peralatum	Sterculiaceae	800
Argyrodendron trifoliolatum	Sterculiaceae	925
Austromyrtus bidwillii	Myrtaceae	775 (21)*¶
Austromyrtus dallachiana	Myrtaceae	775 (21)* ¶
Austromyrtus shepherdii	Myrtaceae	775 (21)* ¶
Beilschmedia bancroftii	Lauraceae	640
Beilschmedia recurva	Lauraceae	620
Beilschmedia tooram	Lauraceae	850
Beilschmedia volckii	Lauraceae	545
Bischofia javanica	Euphorbiaceae	655
Breynia stipitata	Euphorbiaceae	690 (37)*
Brombya platynema	Rutaceae	710
Cananga odorata	Annonaceae	465

Species	Family	Wood Density (kg m^{-3})
Cardwellia sublimis	Proteaceae	560
Carnarvonia araliifolia	Proteaceae	690
Castanospermum australe	Fabaceae	755
Castanospora alphandii	Sapindaceae	705
Celtis paniculata	Ulmaceae	705
Chionanthus axillaris	Oleaceae	935 (40)*
Chisocheton longistipitatus	Meliaceae	545
Cinnamomum laubatii	Lauraceae	480
Citronella smythii	Icacinaceae	675
Clerodendron grayi	Verbenaceae	585 (37)*
Corynocarpus cribbianus	Corynocarpaceae	690
Cryptocarya angulata	Lauraceae	755
Cryptocarya corrugata	Lauraceae	800
Cryptocarya grandis	Lauraceae	830
Cryptocarya mackinnoniana	Lauraceae	880
Cryptocarya melanocarpa	Lauraceae	775
Cryptocarya murrayi	Lauraceae	785
Cryptocarya oblata	Lauraceae	560
Cryptocarya pleurosperma	Lauraceae	690
Daphnandra repandula	Monimiaceae	675
Davidsonia pruriens	Davidsoniaceae	875
Diospiros cupulosa	Ebenaceae	1010 (122)*
Diospiros sp. “twice as flat”	Ebenaceae	1010 (122)*
Diploglottis bracteata	Sapindaceae	995
Diploglottis smithii	Sapindaceae	830 (22)*
Doryphora aromatica	Monimiaceae	560
Dysoxylum klanderi	Meliaceae	945
Dysoxylum oppositifolium	Meliaceae	880
Dysoxylum papuanum	Meliaceae	735
Dysoxylum pettigrewianum	Meliaceae	865
Elaeocarpus grandis	Elaeocarpaceae	495
Elaeocarpus largiflorens	Eleaocarpaceae	450

Species	Family	Wood Density (kg m^{-3})
Endiandra bessaphila	Lauraceae	665
Endiandra compressa	Lauraceae	995
Endiandra globosa	Lauraceae	915
Endiandra insignis	Lauraceae	750
Endiandra leptodendron	Lauraceae	870
Endiandra monothyra	Lauraceae	800
Endiandra palmerstonii	Lauraceae	690
Endiandra sankeyana	Lauraceae	755
Endiandra sideroxylon	Lauraceae	800
Ficus congesta	Moraceae	350
Ficus copiosa	Moraceae	350
Ficus crassipes	Moraceae	350
Ficus leptoclada	Moraceae	560
Ficus pleurocarpa	Moraceae	470
Ficus septica	Moraceae	350
Ficus variegata	Moraceae	400
Ficus virens var. *virens*	Moraceae	400
Flindersia acuminata	Rutaceae	`530
Flindersia brayleyana	Rutaceae	575
Franciscodendron laurifolium	Sterculiaceae	450
Gardenia ovularis	Rubiaceae	850
Gessios biagiana	Cunoniaceae	640
Gillbeea adenopetala	Cunoniaceae	530
Glochidion harveyanum	Euphorbiaceae	785
Glochidion sumatrum	Euphorbiaceae	705
Guioa lasioneura	Sapindaceae	830 (22)*
Haplostichanthus sp. Johnstone River LWJ 471	Annonaceae	565 (38)*
Helicia nortoniana	Proteaceae	725 (33)*†
Hollandaea sayeriana	Proteaceae	725 (33)* †
Hylandia dockrillii	Euphorbiaceae	560

Species	Family	Wood Density (kg m^{-3})
Irvingbaileya australis	Icacinaceae	495
Levieria acuminata	Monimiaceae	435
Litsea leefeana	Lauraceae	480
Macaranga inamoena	Euphorbiaceae	560
Mallotus paniculatus	Euphorbiaceae	690 (37)*
Melicope bonwickii	Rutaceae	465
Melicope elleryana	Rutaceae	610
Melicope vitiflora	Rutaceae	625
Melicope xanthoxyloides	Rutaceae	495
Mischocarpus lachnocarpus	Sapindaceae	830 (22)*
Myristica insipida	Myristicaceae	560
Neolitsea dealbata	Lauraceae	680
Niemeyera prunifera	Sapotaceae	610
Omalanthus novo-guineensis	Euphorbiaceae	320
Opistheolepis heterophylla	Proteaceae	610
Ostrearia australiana	Hamamelidaceae	755
Palaquium galatoxylon	Sapotaceae	560
Phaleria clerodendron	Thymelaeaceae	655 (16)§
Pilidiostigma tropicum	Myrtaceae	775 (21)*
Pitiviaster haplophylla	Rutaceae	835
Podocarpus dispermus	Podocarpaceae	580 (45)*
Polyalthia michaelii	Annonaceae	625
Polyosma hirsute	Grossulariaceae	720 (na)*
Polyscias australiana	Araliaceae	575
Polyscias elegans	Araliaceae	480
Polyscias murrayi	Araliaceae	400
Pouteria castanosperma	Sapotaceae	975
Prunus turneriana	Rosaceae	530
Pseuduvaria villosa	Annonaceae	565 (38)*
Rhodamnia sessiliflora	Myrtaceae	975
Rhodomyrtus pervigata	Myrtaceae	775 (21)*
Rhysotoechia robertsonii	Sapindaceae	830 (22)*

Species	Family	Wood Density (kg m^{-3})
Rockinghamia angustifolia	Euphorbiaceae	800
Sarcotoechia protracta	Sapindaceae	830 (22)*
Schefflera actinophylla	Araliaceae	480
Siphonodon membranaceus	Celastraceae	835
Sloanea australis	Eleaocarpaceae	625
Sloanea macbrydei	Eleaocarpaceae	575
Symplocus cochinchinensis	Symplocaceae	545
Symplocus paucistaminea	Symplocaceae	585 (40)*
Synima cordierorum	Sapindaceae	945
Synima macrophylla	Sapindaceae	830 (22)*
Synuom glandulosum ssp. *paniculosum*	Meliaceae	675
Synuom muelleri	Meliaceae	625
Syzygium alliiligneum	Myrtaceae	610
Syzygium cormiflorum	Myrtaceae	770
Syzygium gustavioides	Myrtaceae	690
Syzygium sayeri	Myrtaceae	840
Tetrasynandra laxiflora	Monimiaceae	640
Toechima erythrocarpum	Sapindaceae	785
Toechima monticola	Sapindaceae	830 (22)*
Xanthophyllum octandrum	Xanthophyllaceae	800
Tree Ferns		
Cyathea cooperi	Cyatheaceae	Excluded
Lianas		
Austrobaileya scandens	Austrobaileyaceae	Excluded
Austrosteenisia stipularis	Fabaceae	Excluded
Cardiopteris moluccana	Cardiopteraceae	Excluded
Carronia protensa	Menispermaceae	Excluded
Cissus sterculiifolia	Vitaceae	Excluded
Cissus vinosa	Vitaceae	Excluded
Connarus conchocarpus	Connaraceae	Excluded

Species	Family	Wood Density (kg m^{-3})
Eleagnus triflora	Eleagnaceae	Excluded
Faradaya splendida	Verbenaceae	Excluded
Ichnocarpus frutescens	Apocynaceae	Excluded
Maclura cochinchinensis	Moraceae	Excluded
Melodinus australis	Apocynaceae	Excluded
Mucuna gigantea	Fabaceae	Excluded
Neosepicaea jucunda	Bignoniaceae	Excluded
Omphalea queenslandiae	Euphorbiaceae	Excluded
Palmeria scandens	Monimiaceae	Excluded
Parsonsia latifolia	Apocynaceae	Excluded
Piper novaehollandiae	Piperaceae	Excluded
Rhamnella vitiensis	Rhamnaceae	Excluded
Sageretia hamosa	Rhamnaceae	Excluded
Salacia dispela	Hippocrataceae	Excluded
Tetracera nordtiana	Dilleniaceae	Excluded

* Family average used (obtained from Cause *et al.* 1989 and Smith *et al.* 1991). Standard deviation is shown in parentheses.

‡ Mimosaceae average excludes the genus *Acacia*.

¶ Myrtaceae average excludes the genera *Corymbia, Eucalyptus, Leptospermum*, *Lophostemon* and *Melaleuca*.

† Proteaceae average excludes the genera *Banksia* and *Grevillea*.

§ No data available on the family Thymelaeaceae; dataset mean used instead.

Appendix 2.

Species encountered in the vegetation survey (Chapter 5). Successional status (E = early, I = intermediate, L = late), growth habit (C = canopy tree, U = understorey tree, S = shrub, H = herb, G = grass, F = fern, V = large woody vine, V-s = slender vine, V-h = climbing herb) and propogule size (S = diameter < 1.0 cm, I = diameter 1.0 – 2.0 cm, L = diameter > 2.0 cm) and dispersal mode (B = biotic or A = abiotic) are given for each species.

Species	**Family**	**Successional Status**	**Habit**	**Propagule Size**	**Dispersal Mode**
Aceratium megalospermum	Eleaocarpaceae	I	C	S	B
Acmena graveolens	Myrtaceae	L	C	L	B
Acronychia parviflora	Rutaceae	I	S	S	B
Acronychia vestita	Rutaceae	I	U	I	B
Adiantum diaphanum	Adiantaceae	L	F	S	A
Ageratum conyzoides	Asteraceae	W	W	S	A
Aglaia australiensis	Meliaceae	L	U	L	B
Aglaia meridionalis	Meliaceae	L	U	L	B
Aglaia sapindina	Meliaceae	L	U	I	B
Aglaia tomentosa	Meliaceae	L	U	I	B
Alangium villosum	Alangiaceae	L	C	S	B
Alocasia brisbanensis	Araceae	E	H	S	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Alphitonia petriei	Rhamnaceae	E	C	S	B
Alphitnia whitei	Rhamnaceae	E	C	S	B
Alpinia arctiflora	Zingiberaceae	E	H	L	A
Alpinia modesta	Zingiberaceae	I	H	S	B
Alstonia scholaris	Apocynaceae	E	C	L	A
Aneilema acuminatum	Commelinaceae	E	H	S	A
Antidesma erostre	Euphorbiaceae	I	U	S	B
Antirrhea tenuiflora	Rubiaceae	I	U	S	B
Apodytes brachystylis	Icacinaceae	L	U	S	B
Archidendron whitei	Mimosaceae	I	U	L	B
Archontophoenix alexandrae	Arecaceae	I	C	I	B
Ardisia brevipedata	Myrsinaceae	L	S	S	B
Ardisia pachyrrhachis	Myrsinaceae	I	U	S	B
Argyrodendron peralatum	Sterculiaceae	L	C	L	A
Argyrodendron trofoliolatum	Sterculiaceae	L	C	L	A
Arthropteris palasotii	Nephrolepidaceae	L	V-f	S	A
Arytera pauciflora	Sapindaceae	L	U	S	B
Asplenium australasicum	Aspleniaceae	L	F	S	A
Atractocarpus hirtus	Rubiaceae	L	S	S	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Austrobaileya scandens	Austrobaileyaceae	L	V	L	B
Austromyrtus bidwillii	Myrtaceae	L	U	I	B
Austromyrtus dallachiana	Myrtaceae	L	U	I	B
Austromyrtus shepherdii	Myrtaceae	L	U	I	B
Austrosteenisia stipularis	Fabaceae	I	V	S	
Balanophora fungosa	Balanophoraceae	L	H	S	
Beilschmedia bancroftii	Lauraceae	L	C	L	B
Beilschmedia collina	Lauraceae	L	C	L	B
Beilschmedia recurva	Lauraceae	L	C	I	B
Beilschmedia tooram	Lauraceae	L	C	L	B
Beilschmedia volckii	Lauraceae	L	C	L	B
Bischofia javanica	Euphorbiaceae	L	C	S	B
Bleasdalea bleasdalei	Proteaceae	L	U	I	
Blechnum cartiliganum	Blechnaceae	E	F	S	A
Bowenia spectabilis	Zamiaceae	I	H	L	B
Breynia cernua	Euphorbiaceae	E	S	S	B
Breynia stipitata	Euphorbiaceae	E	C	S	B
Brombya platynema	Rutaceae	L	U	S	B
Bubbia semecarpoides	Winteraceae	L	U	I	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Caesalpinia traceyi	Caesalpiniaceae	E	V	S	
Calamus australis	Arecaeae	I	V-s	S	B
Calamus caryotoides	Arecaeae	I	V-s	S	B
Calamus motii	Arecaeae	I	V-s	S	B
Callicarpa pedunculata	Verbenaceae	E	S	S	B
Cananga odorata	Annonaceae	L	C	I	B
Cardiopteris moluccana	Cardiopteridaceae	L	V		
Cardwellia sublimis	Proteaceae	E	C	S	A
Carnavonia araliifolia	Proteaceae	L	C	I	A
Carronia protensa	Menispermaceae	I	V	I	B
Casearia dallachii	Flacourtiaceae	L	U	S	B
Castanospermum australe	Fabaceae	I	C	L	B
Castanospora alphandii	Sapindaceae	I	C	L	B
Cayratia saponaria	Vitaceae	E	V	S	B
Celastrus subspicata	Celastraceae	I	V	S	B
Celtis paniculata	Ulmaceae	I	C	S	B
Cephaloralea cephalobottridge	Araliaceae	E	V	S	B
Chionanthus axillaris	Oleaceae	L	U	I	B
Chisocheton longistipitatus	Meliaceae	L	C	L	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal
Cinnamomum laubatii	Lauraceae	L	C	I	B
Cissus hypoglauca	Vitaceae	I	V	S	B
Cissus repens	Vitaceae	I	V	S	B
Cissus sterculiifolia	Vitaceae	I	V	S	B
Cissus vinosa	Vitaceae	I	V	I	B
Citronella moorei	Icacinaceae	L	C	I	B
Citronella smythii	Icacinaceae	L	C	S	B
Clematis glycinoides	Ranunculaceae	I	V	S	A
Clerodendron grayi	Verbenaceae	E	S	S	B
Cnesmocarpon dasyantha	Sapindaceae	L	U	I	B
Codiaeum variegatum var. *moluccanum*	Euphorbiaceae	E	S	S	B
Connarus conchocarpus	Connaraceae	L	V	I	B
Cordyline cannifolia	Agavaceae	E	H	S	B
Corymborkis veratrifolia	Orchidaceae	L	S	S	A
Corynocarpus cribbianus	Corynocarpaceae	L	C	L	B
Coveniella poecilophlebia	Aspidiaceae	E	F	S	A
Cryptocarya angulata	Lauraceae	L	C	I	B
Cryptocarya corrugata	Lauraceae	L	C	I	B
Cryptocarya grandis	Lauraceae	L	C	I	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Cryptocarya hypospodia	Lauraceae	L	C	I	B
Cryptocarya mackinnoniana	Lauraceae	L	C	I	B
Cryptocarya melanocarpa	Lauraceae	L	C	I	B
Cryptocarya murrayi	Lauraceae	L	C	I	B
Cryptocarya oblata	Lauraceae	L	C	L	B
Cryptocarya pleurosperma	Lauraceae	L	C	L	B
Cryptocarya triplinervis	Lauraceae	L	U	S	B
Cryptocarya vulgaris	Lauraceae	E	U	S	B
Cupaniopsis flagelliformis	Sapindaceae	I	U	I	B
Cyathea cooperi	Cyatheaceae	E	F	S	A
Daphnandra repandula	Monimiaceae	I	C	L	A
Darlingia ferruginea	Proteaceae	I	C	L	A
Davidsonia pruriens	Davidsoniaceae	L	U	L	B
Delarbrea michieana	Araliaceae	L	U	I	B
Derris trifoliolata	Fabaceae	I	V	L	A
Desmos goezeanus	Annonaceae	L	V	S	B
Dichapetalum papuanum	Dichapetalaceae	L	V	S	B
Dicranopteris linearis	Gleicheniaceae	E	V-f	S	A
Diospiros cupulosa	Ebenaceae	I	C	I	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Diospiros sp. “twice as flat”	Ebenaceae	L	U	S	B
Diospiros sp. Millaa Millaa LJW 515	Ebenaceae	L	U	S	B
Diplazium dilatum	Athyriaceae	L	F	S	A
Diploglottis bracteata	Sapindaceae	L	U	L	B
Diploglottis smithii	Sapindaceae	L	U	L	B
Diploglottis smithii	Sapindaceae	I	C	L	B
Doryphora aromatica	Monimiaceae	L	C	I	A
Dysoxylum alliaceum	Meliaceae	L	C	L	B
Dysoxylum klanderi	Meliaceae	I	U	L	B
Dysoxylum mollisimum	Meliaceae	L	C	L	B
Dysoxylum oppositifolium	Meliaceae	L	U	S	B
Dysoxylum papuanum	Meliaceae	L	C	S	B
Dysoxylum parasiticum	Meliaceae	L	C	I	B
Dysoxylum pettigrewianum	Meliaceae	I	C	L	B
Eleagnus triflora	Eleagnaceae	E	V	S	B
Elaeocarpus grandis	Elaeocarpaceae	E	C	I	B
Elaeocarpus largiflorens	Elaeocarpaceae	E	C	I	B
Embelia grayi	Myrsinaceae	I	V	S	B
Endiandra bessaphila	Lauraceae	L	C	I	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Endiandra compressa	Lauraceae	L	U	L	B
Endiandra cowleyana	Lauraceae	L	C	L	B
Endiandra globosa	Lauraceae	L	C	L	B
Endiandra hypotephra	Lauraceae	L	U	I	B
Endiandra insignis	Lauraceae	L	C	L	B
Endiandra leptodendron	Lauraceae	L	U	I	B
Endiandra monothyra	Lauraceae	L	C	I	B
Endiandra montana	Lauraceae	L	C	L	B
Endiandra palmerstonii	Lauraceae	L	C	L	B
Endiandra sankeyana	Lauraceae	L	C	L	B
Endiandra sideroxylon	Lauraceae	L	C	L	B
Endiandra wolfei	Lauraceae	L	C	I	B
Epipremnum pinnatum	Araceae	I	V		B
Erycibe coccinea	Convolvulaceae	L	V	I	B
Erythroxylum ecarinatum	Erythroxylaceae	L	C	S	B
Eupomatia barbatra	Eupomatiaceae	I	U		B
Eupomatia laurina	Eupomatiaceae	I	U	L	B
Eupomatia sp. Noah Head	Eupomatiaceae	I	U		B
Faradaya splendida	Verbenaceae	I	V	L	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Ficus congesta	Moraceae	E	U	S	B
Ficus copiosa	Moraceae	I	U	S	B
Ficus crassipes	Moraceae	L	SF	I	B
Ficus destruens	Moraceae	L	SF	I	B
Ficus leptoclada	Moraceae	E	U	S	B
Ficus pantoniana	Moraceae	L	V	I	B
Ficus pleurocarpa	Moraceae	L	SF	I	B
Ficus septica	Moraceae	I	U	S	B
Ficus variegata	Moraceae	L	C	L	B
Ficus virens var. *virens*	Moraceae	L	SF	I	B
Flagellaria indica	Flagellariaceae	E	V-s	S	B
Flindersia acuminata	Rutaceae	I	C	L	A
Flindersia bourjotiana	Rutaceae	I	C	I	A
Flindersia brayleyana	Rutaceae	I	C	S	A
Fontainea picrosperma	Euphorbiaceae	I	U	L	B
Franciscodendron laurifolium	Sterculiaceae	L	C	I	B
Freycinetia excelsa	Pandanaceae	L	V-h	S	B
Freycinetia scandens	Pandanaceae	L	V-h	S	B
Gardenia merikin	Rubiaceae	L	S	L	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Gardenia ovularis	Rubiaceae	L	U	L	B
Geissois biagiana	Cunoniaceae	L	C	S	A
Gilbeea adenopetala	Cunoniaceae	I	C	I	A
Glochidion harveyanum	Euphorbiaceae	E	C	S	B
Glochidion hylandii	Euphorbiaceae	E	C	S	B
Glochidion philippicum	Euphorbiaceae	E	C	S	B
Glochidion sumatranum	Euphorbiaceae	E	C	S	B
Gmelina fasciculiflora	Verbenaceae	L	C	I	B
Guioa acutifolia	Sapindaceae	E	U	S	B
Guioa lasioneura	Sapindaceae	E	U	S	B
Gymnostachys anceps	Araceae	L	S	S	
Haplostichanthus sp. Johnstone River LWJ 471	Annonaceae	L	U	I	B
Haplostichanthus sp. Topaz LWJ 520	Annonnaceae	L	U	S	B
Harpullia frutescens	Sapindaceae	L	U	I	B
Harpullia rhyticarpa	Sapindaceae	L	U	I	B
Hedycarya loxocarya	Monimiaceae	I	C	S	
Helicia nortoniana	Proteaceae	L	U	S	B
Hibbertia scandens	Dilleniaceae	E	V	S	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Hollandaea sayeriana	Proteaceae	L	U	L	B
Hylandia dockrillii	Euphorbiaceae	I	C	L	B
Hypserpa decumbens	Menispermaceae	E	V	S	B
Hypserpa laurina	Menispermaceae	L	V	S	B
Hyptis capitata	Lamiaceae	W	S	S	A
Ichnocarpus frutescens	Apocynaceae	I	V		A
Irvingbaileya australis	Icacinaceae	L	C	L	B
Ixora baileyana	Rubiaceae	L	S	S	B
Jasminum didymum	Oleaceae	E	V	S	B
Lantana camara	Verbenaceae	W	S	S	B
Lasianthus strigosus	Rubiaceae	L	S	I	B
Lastreopsis rufescens	Aspidiaceae	L	F	S	A
Leea indica	Leeaceae	E	S	S	B
Levieria acuminata	Monimiaceae	L	U	S	B
Linospadix microcarya	Arecaceae	L	H	S	B
Linospadix minor	Arecaceae	L	H	I	B
Litsea connorsii	Lauraceae	E	C	S	B
Litsea leefeana	Lauraceae	I	C	I	B
Macaranga inamoena	Euphorbiaceae	E	U	S	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Macaranga subdentata	Euphorbiaceae	E	U	S	B
Macaranga tanarius	Euphorbiaceae	E	C	S	B
Maclura cochinchinensis	Moraceae	E	V	S	B
Maesa dependens var. *dependens*	Myrsinaceae	E	V	S	B
Mallotus paniculatus	Euphorbiaceae	E	C	S	B
Mallotus polyadenos	Euphorbiaceae	E	C	S	B
Marattia oreades	Marattiaceae	E	F	S	A
Marsdenia unidentified species	Asclepiadaceae	L	V		A
Meiogyne sp. Henrietta Creek LWJ 512	Annonaceae	L	S	I	B
Melicope bonwickii	Rutaceae	E	C	S	B
Melicope broadbentiana	Rutaceae	E	U	S	B
Melicope elleryana	Rutaceae	E	C	S	B
Melicope vitiflora	Rutaceae	E	C	S	B
Melicope xanthoxyloides	Rutaceae	E	C	S	B
Melinus minutiflora	Poaceae	W	G	S	A
Melodinus acutifolius	Apocynaceae	I	V	L	B
Melodinus australis	Apocynaceae	I	V	S	B
Melodinus bacellianus	Apocynaceae	I	V	L	B
Melodorum uhrii	Annonnaceae	L	V	S	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Mischocarpus exangulatus	Sapindaceae	I	U	I	B
Mischocarpus grandissimus	Sapindaceae	I	U	S	B
Mischocarpus lachnocarpus	Sapindaceae	I	U	S	B
Mischocarpus macrocarpus	Sapindaceae	I	U	I	B
Mischocarpus stipitatus	Sapindaceae	I	U	I	B
Morinda hypotethra	Rubiaceae	I	V	S	B
Morinda umbellata	Rubiaceae	I	V	S	B
Motherwellia haplosciadea	Araliaceae	E	V		B
Mucuna gigantea	Fabaceae	E	V	I	A
Myristica insipida	Myristicaeae	L	U	I	B
Neiosperma poweri	Apocynaceae	L	U	I	B
Neolitsea dealbata	Lauraceae	E	C	S	B
Neosepicaea jucunda	Bignoniaceae	I	V	L	B
Nephrolepsis cordifolia	Nephrolepidaceae	E	F	S	A
Nephrolepsis obliterata	Nephrolepidaceae	E	V-f	S	A
Niemeyera prunifera	Sapotaceae	L	U	L	B
Omalanthus novo-guineensis	Euphorbiaceae	E	C	S	B
Omphalea queenslandiae	Euphorbiaceae	I	V	L	B
Opisteolepis heterophylla	Proteaceae	L	C	L	A

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Oplismenis compositus	Poaceae	E	G	S	A
Oplismenis undulatafolius	Poaceae	E	G	S	A
Ostrearia australiana	Hamamelidaceae	L	C	I	B
Ottochloa nodosa	Poaceae	E	G	S	A
Palaquium galatoxylon	Sapotaceae	L	C	I	B
Palmeria scandens	Monimiaceae	E	V	S	B
Pandanus monticola	Pandanaceae	L	S	L	B
Pandorea nervosa	Bignoniaceae	I	V	S	A
Pararistolochia australopithecus	Aristolochiaceae	L	V	S	A
Parsonsia latifolia	Apocynaceae	E	V	L	A
Passiflora edulis	Passifloraceae	W	V	S	B
Phaleria clerodendron	Thymeliaceae	L	U	L	B
Pilidiostigma tetramerum	Myrtaceae	L	S	I	B
Pilidiostigma tropicum	Myrtaceae	L	U	S	B
Piper caninum	Piperaceae	I	V	S	B
Piper macropiper	Piperaceae	I	V	S	B
Piper novaehollandiae	Piperaceae	I	V	S	B
Pitiviaster haplophylla	Rutaceae	L	U	S	B
Pittosporum rubiginosum	Pittosporaceae	I	U	I	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Pittosporum trilobum	Pittosporaceae	I	U	S	B
Podocarpus dispermus	Podocarpaceae	L	U	I	B
Pollia macrophylla	Commelinaceae	E	H	S	
Polyalthia michaelii	Annonaceae	L	U	L	B
Polyosma hirsuta	Grossulariaceae	L	U	I	B
Polyscias australiana	Araliaceae	E	U	S	B
Polyscias elegans	Araliaceae	E	C	S	B
Polyscias mollis	Araliaceae	E	U	S	B
Polyscias murrayi	Araliaceae	E	C	S	B
Polyscias purpurea	Araliaceae	E	S	S	B
Pothos longipes	Araceae	I	V-h	I	B
Pouteria brownlessiana	Sapotaceae	L	C	I	B
Pouteria castanosperma	Sapotaceae	L	C	L	B
Pouteria obovoidea	Sapotaceae	L	C	I	B
Pouteria xerocarpa	Sapotaceae	I	U	I	B
Prunus turneriana	Rosaceae	E	C	L	B
Pseuderanthemum variable	Acanthaceae	I	H	B	A
Pseuduvaria villosa	Annonaceae	L	S	I	B
Psychotria dallachiana	Rubiaceae	L	S	S	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Psychotria nematopoda	Rubiaceae	L	S	S	B
Psychotria sp. Utchee Creek Flecker NQNC 5313	Rubiaceae	L	S	S	B
Psychotria submontana	Rubiaceae	L	S	S	B
Randia tuberculosa	Rubiaceae	L	U	I	B
Rhamnella vitiensis	Rhamnaceae	L	V	S	
Rhaphidophora australasica	Araceae	L	V-h	S	B
Rhaphidophora petriei	Araceae	L	V-h	S	B
Rhodamnia sissiliflora	Myrtaceae	E	U	S	B
Rhodomyrtus macrocarpa	Myrtaceae	E	U	I	B
Rhodomyrtus pervigata	Myrtaceae	E	U	I	B
Rhysotoechia robertsonii	Sapindaceae	L	U	I	B
Ripogonum album	Smilacaceae	I	V	S	B
Rockinghamia angustifolia	Euphorbiaceae	I	U	I	B
Rubus alceifolius	Rosaceae	W	S	S	B
Rubus rosifolius/queenslandicum	Rosaceae	E	S	S	B
Sageretia hamosa	Rhamnaceae	I	V	S	A
Salacia dispela	Hippocrataceae	L	V	L	
Sanchezia parvibracteata	Acanthaceae	W	S	S	

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Sarcopetalum harveyanum	Menispermaceae	I	V	I	
Sarcopterix martyana	Sapindaceae	E	U	S	B
Sarcotoechia protracta	Sapindaceae	L	U	L	B
Saurauia andreana	Actinidiaceae	I	U	I	B
Scaevola anantophylla	Goodeniaceae	E	V	S	B
Schefflera actinophylla	Araliaceae	E	U	S	B
Selaginella australiensis	Selaginaceae	L	F	S	A
Selaginella longipinna	Selaginaceae	L	F	S	A
Setococcus sp.	Poaceae	W	G	S	A
Siphonodon memranaceous	Celastraceae	L	C	L	B
Sloanea australis	Eleaocarpaceae	L	C	S	B
Sloanea langii	Eleaocarpaceae	L	C	L	B
Sloanea macbrydei	Eleaocarpaceae	L	C	S	B
Smilax calophylla	Smilacaceae	E	V-s	S	B
Steganthera australianum	Monimiaceae	L	S	S	B
Stephania japonica	Menispermaceae	I	V	S	B
Stylosanthes humilis	Fabaceae	W	H	S	
Symplocus cochinchinensis	Symplocaceae	E	U	S	B
Symplocus hayesii	Symplocaceae	L	S	I	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Symplocus paucistaminea	Symplocaceae	L	U	S	B
Synima cordierorum	Sapindaceae	L	U	I	B
Synima macrophylla	Sapindaceae	L	U	S	B
Synuom glandulosum ssp. *paniculosum*	Meliaceae	E	U	S	B
Synuom muelleri	Meliaceae	I	U	I	B
Syzygium alliiligneum	Myrtaceae	L	C	L	B
Syzygium cormiflorum	Myrtaceae	L	C	L	B
Syzygium gustavioides	Myrtaceae	L	C	L	B
Syzygium johnsonii	Myrtaceae	L	C	I	B
Syzygium papyraceum	Myrtaceae	L	C	L	B
Syzygium sayeri	Myrtaceae	L	C	I	B
Tectaria confluence	Aspidiaceae	L	F	S	A
Ternstroemia cherryi	Theaceae	L	U	L	B
Tetracera nordtoniana	Dilleniaceae	E	V	S	B
Tetrastigma nitens	Vitaceae	I	V	S	B
Tetrasynandra laxiflora	Monimiaceae	L	U	I	B
Timonius singularis	Rubiaceae	E	U	I	B
Toechima erythrocarpum	Sapindaceae	L	U	I	B
Toechima monticola	Sapindaceae	L	U	I	B

Species	Family	Successional Status	Habit	Propagule Size	Dispersal Mode
Trophis scandens	Moraceae	I	V	S	B
Tylophora colorata	Asclepiadaceae	I	V		A
Urochloa maxima	Poaceae	W	G	S	A
Ventilago ecorollata	Rhamnaceae	E	V	S	A
Wilkiea sp. Berong	Monimiaceae	I	U	S	B
Wilkiea sp. Boonjkee BG 5413	Monimiaceae	I	S	S	B
Xanthophyllum octandrum	Xanthophyllaceae	L	C	S	B

Appendix 3

Post hoc Mann-Whitney U tests to compare edge type effects for the proportion of individuals from different successional categories of understorey and canopy tree species. Significant contrasts (at the Bonferroni-corrected level of $p < 0.0042$) are highlighted in bold and marginally-significant comparisons are highlighted in italics.

Parameter	**Size Class**	**Comparison**	**Z**	***p*-value**
Understorey tree species, % early-successional	Trees	Powerline – highway	-2.065	0.039
		Powerline – creek	-1.274	0.203
		Highway – creek	-3.049	**< 0.001**
	Saplings	Powerline – highway	-0.625	0.532
		Powerline – creek	-2.446	0.014
		Highway – creek	-2.313	0.021
	Seedlings	Powerline – highway	-0.161	0.872
		Powerline – creek	-3.070	**0.002**
		Highway – creek	-2.984	**0.003**
	All	Powerline – highway	-0.684	0.494
		Powerline – creek	-3.648	**< 0.001**
		Highway – creek	-4.410	**< 0.001**
Understorey tree species, % late-successional	Trees	Powerline – highway	-2.057	0.040
		Powerline – creek	-0.513	0.608
		Highway – creek	-2.403	0.016
	Saplings	Powerline – highway	-0.265	0.791
		Powerline – creek	-1.872	0.061
		Highway – creek	-2.365	0.018
	Seedlings	Powerline – highway	-0.362	0.718
		Powerline – creek	-2.683	*0.007*
		Highway – creek	-2.575	0.010
	All	Powerline – highway	-1.281	0.200
		Powerline – creek	-2.808	*0.005*
		Highway – creek	-4.171	**< 0.001**
Canopy tree species, % early-successional	Trees	Powerline – highway	-1.177	0.239
		Powerline – creek	-1.481	0.138

Parameter	Size Class	Comparison	Z	*p*-value
Canopy tree species,		Highway – creek	-0.339	0.735
% early-successional	Saplings	Powerline – highway	-0.766	0.444
(continued)		Powerline – creek	-0.328	0.743
		Highway – creek	-0.355	0.723
	Seedlings	Powerline – highway	-2.230	0.026
		Powerline – creek	-1.205	0.228
		Highway – creek	-0.927	0.354
	All	Powerline – highway	-2.018	0.044
		Powerline – creek	-1.641	0.101
		Highway – creek	-0.263	0.793

Appendix 4

Frugivorous bird species observed in small fragments on the Atherton Tablelands (Warburton 1997) or within 30 m of the Kuranda Highway, between Smithfield and Kuranda (Mr Greg Dawe, unpublished data). Species common to both lists are highlighted in bold. Birds dispersed fruit either regularly, occasionally (or intermediate between the two) or were seed predators and the maximum fruit width is the average width of the fruit of the largest-fruited plant species dispersed by each bird species (Dr Andrew Dennis *pers. comm*.). Data on seed dispersal characteristics and maximum widths of fruit dispersed were obtained from Dr Andrew Dennis (*pers. comm*.) at CSIRO, Atherton, Queensland.

Common Name	**Scientific Name**	**Seed/Fruit Dispersal**	**Maximum Fruit Width (mm)**
Australian Brush-turkey	*Alectura lathami*	Predator	–
Barred Cuckoo-shrike	*Coracina lineata*	Regular	15
Black Butcherbird	*Cracticus quoyi*	Occasional	8.5
Bridled Honeyeater	*Lichenostomus frenatus*	Intermediate	7
Brown Cuckoo-dove	*Macropygia amboinensis*	Predator	–
Dusky Honeyeater	*Myzomela obscura*	Occasional	10.4
Emerald Dove	*Chalcophaps indica*	Predator	–
Figbird	*Specotheres viridis*	Regular	22
Graceful Honeyeater	*Meliphaga gracilis*	Occasional	6
Helmeted Friarbird	*Philemon buceroides*	Occasional	6.2
Lewin's Honeyeater	*Meliphaga lewinii*	Regular	15
Little Cuckoo-shrike	*Coracina papuensis*	Occasional	5.25
Macleay's Honeyeater	*Xanthotis macleayana*	Intermediate	8
Metallic Starling	*Aplonis metallica*	Regular	14
Mistletoebird	*Dicaeum hirundinaceum*	Regular	9.5
Pied Currawong	*Strepera graculina*	Regular	24
Rainbow Lorikeet	*Trichoglossus haematodus*	Predator	–
Silvereye	*Zosterops lateralis*	Regular	8

Common Name	**Scientific Name**	**Seed/Fruit Dispersal**	**Maximum Fruit Width (mm)**
Spangled Drongo	*Dicrurus hottentottus*	Occasional	10.1
Spotted Catbird	*Ailuroedus melanotis*	Regular	17.5
Tooth-billed Catbird	*Ailuroedus dentirostris*	Regular	17
Topknot Pigeon	*Lopholaimus antarcticus*	Regular	27.9
Varied Triller	*Lalage leucomela*	Intermediate	10.5
Victoria's Riflebird	*Ptiloris vistoriae*	Regular	24.5
Wompoo Pigeon	*Ptilinopus magnificus*	Regular	27.1
Yellow-spotted Honeyeater	*Meliphaga notata*	Occasional	7.4

11. Papers Arising From the Thesis

Pohlman, C.L., Turton, S.M. and Goosem, M., *In Press*, Edge Effects of Linear Canopy Openings on Tropical Rainforest Understorey Microclimate. *Biotropica*.

This paper was accepted for publication by the journal *Biotropica* on 27th March 2006. This paper is based on Chapter 4 (Section 4.2) and Chapter 3. The galley proofs provided by *Biotropica* for correction have been presented here.