

An inventory of host species for each aerial mistletoe species (Loranthaceae and Viscaceae) in Australia

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Downey, Paul Owen (Centre for Plant Biodiversity Research, CSIRO Plant Industry, GPO Box 1600 Canberra, ACT 2601. Present Address CRC for Weed Management Systems, CSIRO Entomology, GPO Box 1700 Canberra, ACT 2601, paul.downey@ento.csiro.au) 1998. An inventory of host species for each aerial mistletoe species (Loranthaceae and Viscaceae) in Australia. *Cunninghamia* 5(3): 685–720. The present study catalogues the host taxon (to species level) for each of the 88 aerial mistletoe species in Australia, including Norfolk and Lord Howe Islands. A dataset was compiled of Australian loranthaceous and viscaceous species housed in nine major Australian herbaria viz. Adelaide, Atherton, Brisbane, Canberra, Darwin, Hobart, Melbourne, Perth and Sydney. Labels from 11 958 herbarium specimens were examined, of which 9542 contained host information, with 7325 documented to species level. All host names were checked for synonymy, to provide as 'clean' a dataset as possible. A total of 873 host species was documented from 256 genera and 79 families. The number of host species recorded per mistletoe species ranged from no recorded host species to 125. The number of host species in each genus ranged from 1 to 187 (*Eucalyptus*). The dataset provides the most complete baseline catalogue of the host species for each aerial mistletoe species in Australia.

Introduction

The term 'parasite' refers to either a plant or an animal which depends on another organism, its host, for nutrition. The parasite and host co-exist in an obligatory association in which the parasite depends metabolically on the host, during a particular stage or throughout its entire life cycle (Krebs 1994). In the vascular plant kingdom an estimated 3000 species or 1% of the flowering plants are considered to be parasitic (Kuijt 1969; Atsatt 1983), of which approximately 1400 species are classified as mistletoes. These shrubby aerial hemi-parasites (and several species of terrestrial root-parasites) are distributed among five families viz. Loranthaceae, Viscaceae, Misodendraceae, Eremolepidaceae and Santalaceae (Kuijt 1969). Mistletoe species are present on every continent except Antarctica, while their greatest diversity and variety is in tropical regions.

In Australia there are 90 species of mistletoes (Barlow 1996) distributed over the entire mainland, while none are present in Tasmania. Seventy-four of these species are in the family Loranthaceae, and the remaining 16 are in the family Viscaceae. Approximately 85% of the Australian loranthaceous (Barlow 1984a) and 50% of the Australian viscaceous (Barlow 1984b) mistletoe species are considered to be endemic. Two loranthaceous species are terrestrial root-parasites viz. *Nuytsia floribunda* and *Atkinsonia ligustrina* (Barlow 1984a). As the haustorial connection of these terrestrial

root-parasites is located on their roots (which parasitise the roots of their hosts), it is difficult to establish the identity of their host species. Thus these two loranthaceous root-parasitic mistletoe species were excluded from the present study, leaving a total of 88 aerial mistletoe species.

Taxonomically, the Australian mistletoe species are well known as a result of studies by Barlow (1966, 1984a, b, 1996). However, there are limited published data on their hosts (see Blakely 1922a, b, 1923; Johri & Bhatnagar 1972). The information that has been published has traditionally described mistletoe hosts to genus, family or life form (e.g. exotic trees, rainforest trees, or simply as a wide variety of hosts), rarely to species level (see Barlow 1984a, b). For example, *Amyema miquelii* is considered to have 'many host species in the genus *Eucalyptus*' (Barlow 1984a, p. 111). *Eucalyptus* is a large genus of approximately 700 species (Brooker & Kleinig 1994), thus the description of hosts simply as *Eucalyptus* sp. is inadequate and uninformative.

In Australia, there has never been a comprehensive attempt to establish an inventory of the host species for any mistletoe species. The aim of the present study is to establish a baseline inventory of the known host taxa (to species level) for each of the 88 aerial mistletoe species in Australia (including Norfolk and Lord Howe Islands). It is hoped that this paper will stimulate a systematic documentation of the host species of these fascinating plants.

Methods

Major Australian herbaria, viz. Adelaide (AD), Atherton (QRS), Brisbane (BRI), Canberra (CANB), Darwin (DNA), Hobart (HO), Melbourne (MEL), Perth (PERTH) and Sydney (NSW) and the Australian Botanical Liaison Officer (ABLO) at Kew Herbarium (K), London, provided information on the total number of Australian loranthaceous (excluding the terrestrial root-parasites *Nuytsia floribunda* and *Atkinsonia ligustrina*) and viscaceous mistletoe specimens in their collections (ABLO provided the number of collections made by foreign botanists as well as the number of early Australian collections for which there are no duplicates in Australian herbaria). The number of collections in databases, the amount of host information each specimen contained, and whether the host names were in databases were also documented.

After assessing the initial replies, a formal request was made to each herbarium to provide access to their label database, either electronically (on disk) or in hard copy. All specimens which were not on electronic databases were physically examined and the relevant information recorded. This entailed visits to AD, MEL and NSW. BRI was visited despite the entire collection being on database, as the database does not have the capability to hold host names. The specimens at HO were loaned to CANB. As very few collections held at K contained relevant information, they were not considered further.

Where visits were made to herbaria, every specimen was individually observed and the mistletoe species name and host species name or common name were recorded.

Duplicate collections were only recorded once. Any mistletoe specimen which the author considered to be incorrectly identified, was determined using Barlow's keys (1984a, b, 1992, 1993).

If a herbarium collection (either observed or on database) did not contain a host name or the mistletoe could not be easily identified to species level, then the collection was not used. Collections which referenced the host species as a separate collection for which the name was not recorded, were ignored, as collection numbers could not easily be traced.

Host names were checked for spelling mistakes using Hnatiuk (1990). Common names were transcribed into scientific ones using Hartley (1979) and Lazarides & Hince (1993). Each host name was checked for synonymy using Hnatiuk (1990) and Chapman (1991a, b, c, d). Eucalypt nomenclature followed Brooker & Kleinig (1983, 1990, 1994), *Melaleuca* and *Syzygium* host names were checked by L.A. Craven (*Melaleuca* and *Syzygium* authority). Mistletoe nomenclature followed Barlow (1984a, b, 1992, 1993, 1996). Host nomenclature problems were resolved with relevant treatments in the *Flora of Australia*, including Wilson & Johnson (1989) and Chippendale (1988), regional floras including Harden (1990, 1991) and Jessop & Toelken (1986a, b), and specialist texts like Whibley & Symon (1992). The family name of each host species was also recorded with the help of Brummitt (1992).

As no host name was determined as a species of *Corymbia* (Hill & Johnson 1995) at the time of collation, *Eucalyptus* applies to all eucalypt host species. Host records determined to genus level which had subsequently been split into two or more genera, could not be distinguished. For example, the genus *Casuarina* has been split into *Casuarina* and *Allocasuarina* (Wilson & Johnson 1989). Hosts determined to *Casuarina* sp. could be either *Casuarina* sp. or *Allocasuarina* sp. (the distribution data was used to help determine some host species, in this group, as well as in others (where possible), otherwise they were left as their original collection determination). Without a specimen, the host's identity cannot be resolved.

Results

Of the 11 958 herbarium records, 7148 specimens were physically observed. Information for the remaining 4810 collections was obtained from databases; these specimens were not observed, thus the determinations were not checked by the author. Of the total, 9542 collections contained host names, of which 7325 were determined to species level, the remaining 2217 were only determined to genus level.

At least one specimen of all 88 described aerial mistletoe species (Barlow 1996) was examined. The total number of collections for each mistletoe species ranged from 1 (*Amyema subcapitata*) to 919 (*Amyema miquelii*) (Appendix 1).

Some 873 species belonging to 256 genera, and 79 families were recorded as mistletoe hosts. Of the 256 genera, 22 did not contain host records determined to species level, e.g. *Baeckea* sp. An additional 56 genera contained host records determined to genus as well as to species rank. The remaining host genera were all determined to species rank.

The number of host species recorded per mistletoe species ranged from zero (no hosts recorded) to 125. For five mistletoe species no host species were recorded, viz. *Amyema friesiana*, *Amyema quaternifolia*, *Amyema seemeniana*, *Amyema subcapitata* and *Korthalsella grayi*. The number of records for each host species ranged from 1 to 412 (*Acacia aneura*). The number of host species in each genus ranged from 1 to 187 (*Eucalyptus*). The frequency of host-mistletoe combinations varied considerably, from 1 to 137 (*Amyema maidenii* on *Acacia aneura*).

Host plants were mostly dicotyledonous angiosperms, although there was a small number of gymnosperms in the genera *Araucaria*, *Callitris* and *Pinus** (* denotes exotic species). No host species were herbaceous (as expected of woody aerial parasites), although many of the host genera contain herbaceous species. Every host family and genus recorded contained species which were not documented as mistletoe host species.

The two major genera of host species were *Eucalyptus* and *Acacia* with 2084, and 2559 records respectively. There were 187 species of *Eucalyptus* and 150 species of *Acacia* recorded.

Seven mistletoe species commonly parasitised exotic host species, viz. *Amyema congener*, *Dendrophthoe glabrescens*, *Dendrophthoe vitellina*, *Lysiana exocarpi*, *Lysiana subfalcata*, *Muellerina celastroides* and *Muellerina eucalyptoides* (see Appendix 1). Several other mistletoe species parasitised exotic hosts, but not as commonly. The commonly recorded exotic host species included *Nerium oleander**, *Citrus* spp.*, *Prunus* spp.*, *Schinus areira**, and *Quercus* spp.*

Discussion

The current catalogue of host species indicates the great diversity of plant species which can be parasitised. In addition, the compilation of the current lists allows objective questioning of terms like host-specificity and mimicry to be undertaken (Downey & Gill in prep.). The term host-specificity as put forward by Barlow & Wiens (1977) gives no indication of the number of host species a host-specific mistletoe parasitises. Despite this, the authors (Barlow & Wiens 1997) described several host-specific mistletoe species, based on a limited list of host species (drawn from personal observations and a subset of herbarium collections). From this they used the dominant host species to discuss the concept of vegetative mimicry in Australian loranthaceous mistletoes. Downey & Gill (in prep.) used the current lists in an investigation of host-specificity and found that few mistletoe species were specific in terms of their host species (with a host-specialist mistletoe species parasitising < 10 host species). Only three mistletoe species, viz. *Amyema cambagei*, *Amyema linophylla* and *Amyema melaleucae*, had high numbers of host records but few host species (see Appendix 1). Two of these have terete leaves. Mistletoe species with terete leaves exhibit a high degree of mimicry (Calder 1983). Downey & Gill (in prep.) question the concept of mimicry based on a more comprehensive list of host species than those used by Barlow & Wiens (1977) and suggest that crypsis is a more appropriate term. Attempts to question these terms in the past have resulted in some ambiguities (Atsatt 1983).

Mistletoe species that were previously documented as having a host-specific relationship with a particular host species, for example *Amyema lucasii* on *Flindersia maculosa* (Barlow & Wiens 1977; Barlow 1984a), highlight how a limited data set can bias our understanding. *Amyema lucasii* has six other documented host species (Appendix 1), questioning the validity of its documented high level of host-specificity (*Amyema lucasii* exhibits host preference for *Flindersia maculosa* rather than host-specificity).

Additional terms like host range, host preference and host selection have also been applied to mistletoe species (Musselman & Press 1995). These terms imply that we have a good understanding and knowledge of host species and the interaction between mistletoe species and their entire host range. However our understanding of the interactions between parasitic angiosperms and their host species trails behind that of other plant symbiotic associations (Musselman & Press 1995). A recent study of three mistletoe species in South Africa (Dean et al. 1994) documented 33 major host genera from 22 families, suggesting that our knowledge of host species is incomplete. *Amyema benthamii* was previously documented as growing on *Brachychiton* (Barlow 1984a). *Brachychiton* comprises one of 28 genera and 3 of 31 host species, from 20 families (see Appendix 1). Barlow (1984a, p. 95) states that '*Amyema friesiana* is parasitic on a wide range of host trees', however not one of them has been recorded (see Appendix 1). Only with a better understanding of host species can we objectively start to question these terms (Downey & Gill in prep.). Appendix 1 provides comprehensive and extensive information on host species for each of the 88 mistletoe species throughout their distribution. This level of information has not previously been collated for any of the Australian mistletoe species.

Herbarium records proved to be a beneficial starting point for the study of mistletoe host species. However, they do not provide a complete picture of the plant species that are parasitised by mistletoes. An investigation of mistletoe hosts in south-eastern Australia (Downey 1996), combined with subsequent adhoc collections made by the author (Downey unpubl. data), have revealed several host species not recorded in Appendix 1, suggesting that the collection of Australian mistletoe host species is, in general, inadequate. In addition, there are several inherent problems with using herbarium data for this kind of study, which include: misidentification of host specimens; no voucher specimen for the host species (in the majority of cases); synonymy within host names; no host information at all (see *Amyema seemeniana*, Appendix 1); and/or vague host information (e.g. to genus level, see *Dactylophora novaeguineae*, Appendix 1). Despite this, the present study based on herbarium records provides an invaluable baseline, to a level never before achieved.

Few mistletoe collections (the exact number was not recorded) contained an actual host specimen. The majority of host specimens came from recent collections. Some (again the exact number was not recorded) were separate collections, the identity of which often could not be checked as they were not on a database. The majority of host information was simply in the form of collectors' notes. The accuracy of these cannot be verified because of the vast number of collectors and their areas of expertise. Thus, it is imperative that botanists collect host specimens for both epiphytes and parasites. The accuracy of any determination depends largely on the keys available, and its

subsequent curation depends on the expertise of the herbarium staff. Irrespective of this the data contained within museums (herbaria) provides paramount information for ecological studies and decision-makers, which would not otherwise be available (Davis 1996).

The lack of a separate field containing the host species of parasitic plants on either herbarium labels or databases made the compilation of information difficult (see Downey 1996). The allocation of a separate field to encompass host names is a high priority, for mistletoes as well as epiphytic species. A mechanism to enable easy and quick access of host information would be beneficial (M. Clements pers. comm.).

The number of mistletoe collections could bias the number of host species recorded. For example, 8% (or 11 species) of mistletoe species had < 10 collections nationally, this number rose to approximately 33% (or 29 species) when the number of collections was increased to < 20. In addition, approximately half (47) the mistletoe species had < 10 host species, the majority of which had either limited distributions and/or few collections (e.g. *Viscum bancroftii* and *Muellerina myrtifolia*) (see Downey 1996). Despite this, there was a strong positive correlation between the number of mistletoe collections per species and the number of host species recorded for each mistletoe species (Downey & Gill in prep.). This suggests that additional host species will be uncovered as more collections are made (especially if collectors collect the host specimen), across all mistletoe species, as illustrated by Downey (1996).

When host-mistletoe combinations were investigated from the host species perspective approximately half of the host species formed combinations with only one mistletoe species. Many of these were single occurrences (Downey & Gill in prep.), suggesting that the present lists are by no means definitive.

The early knowledge of mistletoe host species in Australia was based on a subset of herbarium collections (Blakely 1922a, b, 1923, 1924, 1925), which were later compiled into lists (see Johri & Bhatnagar 1972). Their (Johri & Bhatnagar 1972) lists were a compilation of host species per mistletoe genus, which might imply there is no difference in terms of host preference between the mistletoe species in each genus. However, there is great variation in host preference within each mistletoe genus, for example *Amyema mackayense* parasitises mainly mangrove species while *Amyema miquelii* parasitises mainly *Eucalyptus* species (see Appendix 1). However, several taxonomically close mistletoe species shared many similar host genera viz. *Lysiana spathulata* and *Lysiana subfalcata* (Appendix 1). This could be a result of their distribution (both host and mistletoe) (Downey 1996). Studies by Downey et al. (in prep.) suggest a relationship between mistletoe distribution and the presence of potential host species, but information on host species and their distribution was insufficient to establish any relationship.

In Australia, the common misconception is that the only mistletoe host species are members of the genera *Eucalyptus* and *Acacia*. They are only two, albeit the largest, of 256 host genera, but they comprise nearly half the host records. One reason for this may be the sheer number of species in each (approximately 700 and 800 respectively) and their presence in every Australian landscape (Barlow 1981).

The role host species play in this parasitic interaction is rarely considered to be important. However, the host species may play a role in determining its parasitic constituents, through host resistance to haustorial penetration (Kuijt 1969; Yan 1993a) and chemical incompatibility (Kuijt 1969). There is a considerable number of plants which are not host species, besides the obvious herbaceous and annual species, which are incapable of sustaining mistletoes due to their growth forms and size.

Amyema miquelii had the greatest number of host species (125), just over a third of the number of host species recorded for *Dendrophthoe falcata* (343) in India (Johri & Bhatnagar 1972). In Europe *Viscum album* parasitises 230 host species, of which 186 are introduced trees (Hawksworth 1983). Johri & Bhatnagar (1972) claim that there is hardly any tree or shrub which is immune to mistletoe attack. However, many plant species are free from mistletoe infestation. The species parasitised may be attributable to the presence of both mistletoe and host species in any one location. For example, in Australia few gymnosperms are host species, but in the USA they are heavily infested (Hawksworth 1983). In India, trees which contain resinous sap are comparatively free of mistletoe infestation, when compared to trees which contain 'milky' sap (Fischer 1926). The current study found that few host species contained resinous sap, while many Apocynaceae species (many species of which contain 'milky' sap) were mistletoe hosts. Docters van Leeuwen (1954) could give no reason why trees with 'milky' sap were heavily infested while trees which were considered suitable hosts were unparasitised. The answers may be attributed to the physiological interaction between the host and mistletoe species (Hoffmann et al. 1986). A recent study of mistletoe hosts in South Africa showed that the nitrogen content of the host species may be an important host selection factor (Dean et al. 1994). Additionally, the authors suggest that host selection may be unrelated to the growth form of the host, with the exception of herbaceous plants. Downey et al. (1997) found that host attributes, including the height and canopy area of eucalypts, may play an important role in aiding mistletoe colonisation.

Birds are considered the primary source of mistletoe dissemination (Docters van Leeuwen 1954; Kuijt 1969). In Australia, the Mistletoe-bird (*Dicaeum hirundinaceum*) is considered the major disseminator (Liddy 1983). There are however, several other frugivorous bird species e.g. the Spiny-cheeked Honeyeater (*Acanthagenys rufogularis*), which are also considered important mistletoe disseminators in Australia (Reid 1989, 1990; Yan 1993b). The Painted Honeyeater (*Grantiella picta*) is also noted to disperse mistletoes but may not be as important due to its rarity (Liddy 1983). Frugivorous birds are 'paid in advance' so there is no incentive to void seeds in an appropriate site for germination (Wheelwright & Orians 1982). Thus, mistletoe dissemination by frugivores to a potential host is to some extent a random event. How this influences host range is not clearly understood, but some authors (e.g. Blakely 1922a) have suggested that the occurrence of mistletoes on 'unusual' hosts is attributed to minor disseminators.

The presence of mistletoe species on exotic plant species suggests that some mistletoe species are highly opportunistic and can parasitise plant species which they have never encountered previously (Downey 1996). Endemism does not prevent mistletoe

species from parasitising exotic host species, as both endemic and non-endemic mistletoe species have been recorded growing on exotic host species. The degree to which endemism plays a role in host colonisation needs further study. The ability of some mistletoe species to colonise exotic trees questions the nature of host-specificity. Is host-specificity an artefact of the tree species present in a given location? Species with large distributions exhibit low host specialisation (Downey & Gill in prep.). Seebeck (1997) raises many questions about the interaction between mistletoes and their exotic host species, highlighting our need to better understand this aspect of mistletoe parasitism. The author (Seebeck 1997) described four exotic host species which were not documented in the national data set viz. *Betula pendula**, *Plantanus x acerifolia**, *Quercus palustris**, *Ulmus parvifolia**.

Some mistletoe species possess the ability to grow on other mistletoe species (hyper-parasitism). Three Australian mistletoe species commonly hyper-parasitised other mistletoe species viz. *Amyema miraculosa*, *Notothixos subaureus* and *Viscum articulatum* (see Appendix 1). The reasons for this parasitic interaction are not clearly understood, one reason maybe attributable to the lack of other potential host species in a particular area (Downey pers. obs.). Hyper-parasitism also occurs within species, the occurrence of which maybe actually much higher than is recorded, as it would appear like one individual of that species, not two (B. Barlow pers. comm.). The ecological significance of hyper-parasitism and the pressures hyper-parasites place on their parasite hosts are poorly understood.

It is hoped that the compilation of these lists will generate interest in mistletoe host species in Australia. This in turn would result in more appropriate collections of mistletoe host species, while a better understanding of host species and their distribution will allow investigation of the role of host distribution in limiting or aiding the distribution of mistletoe species (Downey et al. in prep.).

Conclusion

Until now the knowledge of host species for each of the 88 aerial Australian mistletoe species has been poor. The present study provides a baseline catalogue of host species per mistletoe species on a national scale. However, herbarium information is a conglomeration of many different collectors, each of whom collected varying amounts of host information. It is imperative that herbarium specimens contain host information. Currently host information is based on collections of mistletoes rather than collections of host species per se.

The current study has established a baseline for the study of host-mistletoe combinations in Australia. However, the present study is incomplete, five mistletoe species have no documented host species, and the information for several mistletoe species is based on only a few collections.

Not all woody plant species are parasitised by mistletoe species in Australia. In fact no entire genus or family is parasitised. The number and taxonomic diversity of host species for each mistletoe species were found to vary considerably. Several mistletoe

species opportunistically parasitised exotic species as well as native species, the significance of which is poorly understood. Several taxonomically close mistletoe species shared many common host genera however, this could be a result of the distribution of both host and mistletoe. Future studies allude to a relationship between mistletoe distribution and host species. However, a better understanding of host species and their distribution is needed.

Australian herbaria need to address the problems which have arisen from this study. Host names for parasitic as well as epiphytic plants should be incorporated into specimen electronic databases.

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Appendix 1. Host species for each mistletoe species in Australia. The numbers after each mistletoe species represents the total number of collections and the number of host species (to species level) recorded, respectively.

(* = exotic species)

LORANTHACEAE

<i>Amyema benthamii</i>	163	31	Sterculiaceae		
Anacardiaceae			<i>Brachychiton australis</i>		
<i>Buchanania</i> sp.			<i>Brachychiton gregorii</i>		
Apocynaceae			<i>Brachychiton obtusifolius</i>		
<i>Carissa lanceolata</i>			<i>Brachychiton populneus</i>		
<i>Nerium oleander</i> *			Tiliaceae		
Asclepiadaceae			<i>Grewia breviflora</i>		
<i>Marsdenia cinerascens</i>					
Caesalpiniaceae			<i>Amyema bifurcata</i>	216	29
<i>Lysiphyllum cunninghamii</i>			Mimosaceae		
Celastraceae			<i>Acacia acuminata</i>		
<i>Denhamia obscura</i>			Myrtaceae		
Combretaceae			<i>Angophora costata</i>		
<i>Lumnitzera littorea</i>			<i>Angophora melanoxydon</i>		
<i>Terminalia canescens</i>			<i>Angophora woodsiana</i>		
<i>Terminalia platyphylla</i>			<i>Angophora floribunda</i>		
Cupressaceae			<i>Angophora subvelutina</i>		
<i>Callitris verrucosa</i>			<i>Eucalyptus aspera</i>		
Euphorbiaceae			<i>Eucalyptus bleeseri</i>		
<i>Croton</i> sp.			<i>Eucalyptus camaldulensis</i>		
<i>Mallotus nesophilus</i>			<i>Eucalyptus cliftoniana</i>		
<i>Petalostigma banksii</i>			<i>Eucalyptus confertiflora</i>		
<i>Mallotus quadriloculare</i>			<i>Eucalyptus foelscheana</i>		
Lauraceae			<i>Eucalyptus gummifera</i>		
<i>Cryptocarya exfoliata</i>			<i>Eucalyptus intermedia</i>		
Loranthaceae			<i>Eucalyptus latifolia</i>		
<i>Lysiana spathulata</i>			<i>Eucalyptus maculata</i>		
Meliaceae			<i>Eucalyptus microtheca</i>		
<i>Owenia reticulata</i>			<i>Eucalyptus miniata</i>		
<i>Owenia vernicosa</i>			<i>Eucalyptus orgadophila</i>		
Mimosaceae			<i>Eucalyptus papuana</i>		
<i>Acacia delibrata</i>			<i>Eucalyptus polysciada</i>		
<i>Acacia orthocarpa</i>			<i>Eucalyptus setosa</i>		
<i>Acacia tumida</i>			<i>Eucalyptus socialis</i>		
<i>Acacia victoriae</i>			<i>Eucalyptus tectifera</i>		
Moraceae			<i>Eucalyptus tereticornis</i>		
<i>Ficus coronulata</i>			<i>Eucalyptus terminalis</i>		
<i>Ficus opposita</i>			<i>Eucalyptus tessellaris</i>		
Myrtaceae			<i>Eucalyptus trachyphloia</i>		
<i>Eucalyptus</i> sp.			Zygophyllaceae		
Proteaceae			<i>Nitraria billardierei</i>		
<i>Banksia dentata</i>					
<i>Grevillea</i> sp.			<i>Amyema biniflora</i>	19	6
<i>Hakea</i> sp.			Myrtaceae		
Rubiaceae			<i>Eucalyptus crebra</i>		
<i>Aidia cochinchinensis</i>			<i>Eucalyptus dichromophloia</i>		
<i>Gardenia</i> sp.			<i>Eucalyptus polysciada</i>		
Sapindaceae			<i>Eucalyptus setosa</i>		
<i>Atalaya hemiglauca</i>			<i>Eucalyptus terminalis</i>		
Sapotaceae			<i>Eucalyptus thozetiana</i>		
<i>Planchonella arnhemica</i>					

<i>Amyema cambagei</i>	258	10	<i>Amyema miquelii</i>
Casuarinaceae			<i>Amyema pendula</i>
<i>Allocasuarina littoralis</i>			<i>Dendrophthoe curvata</i>
<i>Allocasuarina luehmannii</i>			<i>Dendrophthoe falcata</i>
<i>Allocasuarina torulosa</i>			<i>Muellerina celastroides</i>
<i>Casuarina cristata</i>			<i>Muellerina eucalyptoides</i>
<i>Casuarina cunninghamiana</i>			Lythraceae
<i>Casuarina glauca</i>			<i>Lagerstroemia indica</i> *
Cupressaceae			Meliaceae
<i>Callitris glaucophylla</i>			<i>Melia azedarach</i>
Mimosaceae			Mimosaceae
<i>Acacia parramattensis</i>			<i>Acacia anceps</i>
Myoporaceae			<i>Acacia concurrens</i>
<i>Eremophila mitchellii</i>			<i>Acacia decurrens</i>
Myrtaceae			<i>Acacia diphylla</i>
<i>Eucalyptus</i> sp.			<i>Acacia fasciculifera</i>
<i>Melaleuca styphelioides</i>			<i>Acacia fimbriata</i>
			<i>Acacia floribunda</i>
<i>Amyema congener</i>	340	90	<i>Acacia maidenii</i>
Apocynaceae			<i>Acacia mearnsii</i>
<i>Nerium oleander</i> *			<i>Acacia melanoxylon</i>
<i>Parsonsia straminea</i>			<i>Acacia penninervis</i>
Araliaceae			<i>Acacia podalyriifolia</i>
<i>Astrotricha floccosa</i>			<i>Acacia polybotrya</i>
Caesalpiniaceae			Myoporaceae
<i>Senna odorata</i>			<i>Eremophila mitchellii</i>
Capparaceae			Myrtaceae
<i>Capparis arborea</i>			<i>Acmena smithii</i>
Casuarinaceae			<i>Backhousia sciadophora</i>
<i>Allocasuarina littoralis</i>			<i>Callistemon viminalis</i>
<i>Allocasuarina thalassoscopica</i>			<i>Eucalyptus acmenoides</i>
<i>Allocasuarina torulosa</i>			<i>Eucalyptus bancroftii</i>
<i>Casuarina cristata</i>			<i>Eucalyptus maculata</i>
<i>Casuarina cunninghamiana</i>			<i>Eucalyptus obstans</i>
<i>Casuarina glauca</i>			<i>Eucalyptus tereticornis</i>
Celastraceae			<i>Leptospermum brachyandrum</i>
<i>Cassine australis</i>			<i>Leptospermum polygalifolium</i>
<i>Cassine melanocarpa</i>			<i>Lophostemon confertus</i>
<i>Elaeodendron</i> sp.			<i>Melaleuca decora</i>
Combretaceae			<i>Melaleuca linariifolia</i>
<i>Lumnitzera littorea</i>			<i>Melaleuca nodosa</i>
<i>Lumnitzera racemosa</i>			<i>Melaleuca parviflora</i>
<i>Terminalia muellerii</i>			<i>Melaleuca styphelioides</i>
Erythroxylaceae			Oleaceae
<i>Erythroxylum australe</i>			<i>Notelaea microcarpa</i>
Euphorbiaceae			Proteaceae
<i>Croton arnhemicus</i>			<i>Banksia integrifolia</i>
<i>Croton insularis</i>			Rhamnaceae
<i>Croton phebaloides</i>			<i>Alphitonia excelsa</i>
<i>Croton verreauxii</i>			Rhizophoraceae
<i>Excoecaria agallocha</i>			<i>Ceriops tagal</i>
<i>Mallotus philippinensis</i>			Rosaceae
<i>Petalostigma pubescens</i>			<i>Crataegus spathulata</i> *
Fabaceae			<i>Prunus persica</i> *
<i>Pongamia pinnata</i> *			<i>Pyrus communis</i> *
Fagaceae			Rubiaceae
<i>Quercus bicolor</i>			<i>Canthium oleifolium</i>
Illiciaceae			<i>Randia fitzalanii</i>
<i>Illicium religiosum</i>			Rutaceae
Loranthaceae			<i>Acronychia laevis</i>
<i>Amyema cambagei</i>			<i>Acradmia euodiiiformis</i>

Rutaceae cont.*Citrus aurantium* **Citrus limon* **Citrus sinensis* **Flindersia maculosa**Geijera parviflora**Geijera salicifolia***Salicaceae***Salix babylonica* ***Santalaceae***Exocarpos cupressiformis**Santalum lanceolatum***Sapindaceae***Cupaniopsis anacardioides**Cupaniopsis serrata***Sapotaceae***Planchonella* sp.*Pouteria sericea***Thymelaeaceae***Pimelea* sp.**Ulmaceae***Celtis acuminata* ****Amyema conspicua***

125 20

Apocynaceae*Alyxia spicata***Caesalpiniaceae***Bauhinia* sp.*Lysiphyllum cunninghamii***Capparaceae***Capparis* sp.**Casuarinaceae***Allocasuarina littoralis**Casuarina* sp.**Combretaceae***Terminalia* sp.**Erythroxylaceae***Erythroxylum australe**Erythroxylum ellipticum***Euphorbiaceae***Croton tomentellus**Excoecaria agallocha**Petalostigma quadriloculare***Lythraceae***Pemphis acidula***Malvaceae***Thespesia populnea***Meliaceae***Turraea virens**Xylocarpus granatum**Xylocarpus moluccensis***Mimosaceae***Acacia crassicarpa***Myrtaceae***Callistemon* sp.*Melaleuca* sp.*Psidium guajava* ***Proteaceae***Grevillea* sp.**Rhamnaceae***Alphitonia excelsa**Alphitonia petriei**Alphitonia whitei***Rubiaceae***Gardenia* sp.**Rutaceae***Citrus sinensis* ***Sapindaceae***Alectryon connatus***Sapotaceae***Pouteria* sp.**Urticaceae***Boehmeria* sp.***Amyema dolichopoda***

13 3

Combretaceae*Lumnitzera racemosa***Meliaceae***Owenia reticulata***Mimosaceae***Acacia victoriae****Amyema eburna***

12 2

Myrtaceae*Eucalyptus dichromophloia**Eucalyptus papuana****Amyema fitzgeraldii***

98 7

Mimosaceae*Acacia acuminata**Acacia aneura**Acacia linophylla**Acacia quadrimarginea**Acacia ramulosa**Acacia rostellifera**Acacia tetragonophylla****Amyema friesiana***

4 0

No recorded host species***Amyema gaudichaudii***

63 7

Mimosaceae*Acacia* sp.**Myrtaceae***Callistemon linearis**Melaleuca decora**Melaleuca lanceolata**Melaleuca linariifolia**Melaleuca nodosa**Melaleuca parviflora**Melaleuca styphelioides****Amyema gibberula***

226 20

Casuarinaceae*Casuarina cristata***Mimosaceae***Acacia acuminata**Acacia aneura**Acacia linophylla**Acacia ramulosa*

Myrtaceae <i>Eucalyptus deserticola</i> <i>Eucalyptus terminalis</i>					
Proteaceae <i>Grevillea agrifolia</i> <i>Grevillea juncifolia</i> <i>Grevillea nematophylla</i> <i>Grevillea pyramidalis</i> <i>Grevillea stenobotrya</i> <i>Grevillea striata</i> <i>Grevillea wickhamii</i> <i>Hakea chordophylla</i> <i>Hakea divaricata</i> <i>Hakea leucoptera</i> <i>Hakea lorea</i> <i>Hakea recurva</i> <i>Hakea suberea</i>					
Amyema glabra	16	3			
Myrtaceae <i>Callistemon</i> sp.					
Rhamnaceae <i>Alphitonia</i> sp.					
Rutaceae <i>Citrus</i> sp. *					
Sapindaceae <i>Guioa acutifolia</i>					
Sterculiaceae <i>Commersonia bartramia</i>					
Urticaceae <i>Pipturus argenteus</i>					
Amyema haematodes	15	3			
Euphorbiaceae <i>Mallotus nesophilus</i>					
Lecythidaceae <i>Barringtonia acutangula</i>					
Moraceae <i>Ficus scobina</i>					
Sapotaceae <i>Pouteria</i> sp.					
Amyema herbertiana	16	2			
Myrtaceae <i>Melaleuca alsophila</i> <i>Melaleuca foliolosa</i>					
Amyema hilliana	52	6			
Caesalpiniaceae <i>Cassia</i> sp.					
Mimosaceae <i>Acacia aneura</i> <i>Acacia citrinoviridis</i> <i>Acacia estrophiolata</i> <i>Acacia pruinocarpa</i> <i>Acacia pruinosa</i> <i>Acacia victoriae</i>					
Amyema linophylla	167	8			
Casuarinaceae <i>Allocasuarina luehmannii</i> <i>Casuarina cristata</i> <i>Casuarina glauca</i> <i>Casuarina obesa</i>					
Loranthaceae <i>Amyema cambagei</i> <i>Amyema miraculosa</i>					
Mimosaceae <i>Acacia melanoxydon</i>					
Myoporaceae <i>Eremophila mitchellii</i>					
Amyema lucasii	68	7			
Capparaceae <i>Capparis canescens</i>					
Proteaceae <i>Grevillea striata</i>					
Rutaceae <i>Eremocitrus glauca</i> <i>Flindersia australis</i> <i>Flindersia collina</i> <i>Flindersia maculosa</i> <i>Geijera parviflora</i>					
Amyema mackayense	84	10			
Bombacaceae <i>Camptostemon schultzei</i>					
Combretaceae <i>Lumnitzera</i> sp.					
Euphorbiaceae <i>Excoecaria agallocha</i> <i>Mallotus nesophilus</i>					
Malvaceae <i>Thespesia</i> sp.					
Myrsinaceae <i>Aegiceras corniculatum</i>					
Myrtaceae <i>Melaleuca leucadendra</i>					
Rhizophoraceae <i>Cerriops tagal</i> <i>Rhizophora mucronata</i> <i>Rhizophora stylosa</i>					
Sapotaceae <i>Pouteria sericea</i>					
Verbenaceae <i>Avicennia marina</i>					
Amyema maidenii	402	37			
Apocynaceae <i>Carissa lanceolata</i>					
Caesalpiniaceae <i>Bauhinia carronii</i> <i>Cassia artemisioides</i> <i>Erythrophloeum chlorostachys</i>					
Casuarinaceae <i>Casuarina</i> sp.					
Loranthaceae <i>Lysiana exocarpis</i>					

Mimosaceae

Acacia adsurgens
Acacia aneura
Acacia brachystachya
Acacia burkittii
Acacia calamifolia
Acacia calcicola
Acacia cambagei
Acacia catenulata
Acacia citrinoviridis
Acacia clivicola
Acacia coriacea
Acacia cyperophylla
Acacia doratoxylon
Acacia estrophiolata
Acacia harpophylla
Acacia holosericea
Acacia homalophylla
Acacia kempeana
Acacia linophylla
Acacia loderi
Acacia murrayana
Acacia oswaldii
Acacia papyrocarpa
Acacia pendula
Acacia ramulosa
Acacia shirleyi
Acacia stenophylla
Acacia stowardii
Acacia tetragonophylla
Acacia victoriae
Myoporaceae
Myoporum platycarpum
Myrtaceae
Eucalyptus pachyphylla
Proteaceae
Grevillea sp.
Sapindaceae
Atalaya sp.

Amyema melaleuca

138 8

Casuarinaceae*Casuarina* sp.**Myoporaceae***Myoporum* sp.**Myrtaceae**

Melaleuca cardiophylla
Melaleuca halmaturorum
Melaleuca lanceolata
Melaleuca parviflora
Melaleuca pauperiflora
Melaleuca pubescens
Melaleuca quadrifaria
Melaleuca thyoides

Pittosporaceae*Pittosporum* sp.**Santalaceae***Exocarpos* sp.***Amyema microphylla***

15 3

Myrtaceae

Melaleuca leiocarpa
Melaleuca pauperiflora
Melaleuca uncinata

Amyema miquelii

919 125

Casuarinaceae

Allocasuarina verticillata
Casuarina sp.

Cupressaceae*Callitris endlicheri***Euphorbiaceae***Petalostigma pubescens***Lecythidaceae***Planchonia careya***Loranthaceae**

Amyema cambagei
Amyema miquelii
Muellerina eucalyptoides

Mimosaceae

Acacia aneura
Acacia dealbata
Acacia farnesiana
Acacia mearnsii
Acacia victoriae

Myrtaceae

Angophora floribunda
Eucalyptus albens
Eucalyptus aspera
Eucalyptus baueriana
Eucalyptus bicostata
Eucalyptus bigalerita
Eucalyptus blakelyi
Eucalyptus bleeseri
Eucalyptus botryoides
Eucalyptus brachycalyx
Eucalyptus bridgesiana
Eucalyptus caleyi
Eucalyptus calophylla
Eucalyptus camaldulensis
Eucalyptus cambageana
Eucalyptus cinerea
Eucalyptus cladocalyx
Eucalyptus concinna
Eucalyptus conica
Eucalyptus coolabah
Eucalyptus crebra
Eucalyptus dalrympleana
Eucalyptus dealbata
Eucalyptus dichromophloia
Eucalyptus drepanophylla
Eucalyptus drummondii
Eucalyptus dumosa
Eucalyptus dwyeri
Eucalyptus eremicola
Eucalyptus eugenioides
Eucalyptus ewartiana
Eucalyptus exserta
Eucalyptus fasciculosa
Eucalyptus fibrosa

Myrtaceae cont.

Eucalyptus flocktoniae
Eucalyptus gamophylla
Eucalyptus gillenii
Eucalyptus gillii
Eucalyptus glaucescens
Eucalyptus gomphocephala
Eucalyptus gongylocarpa
Eucalyptus goniocalyx
Eucalyptus gracilis
Eucalyptus gummifera
Eucalyptus intertexta
Eucalyptus kingsmillii
Eucalyptus kondininensis
Eucalyptus laeliae
Eucalyptus largiflorens
Eucalyptus leptophylla
Eucalyptus leucophloia
Eucalyptus leucoxydon
Eucalyptus longifolia
Eucalyptus loxophleba
Eucalyptus macrorrhyncha
Eucalyptus maculata
Eucalyptus mannifera
Eucalyptus melanophloia
Eucalyptus melliodora
Eucalyptus microcarpa
Eucalyptus microcorys
Eucalyptus microtheca
Eucalyptus miniata
Eucalyptus moluccana
Eucalyptus nortonii
Eucalyptus odontocarpa
Eucalyptus odorata
Eucalyptus oldfieldii
Eucalyptus oleosa
Eucalyptus optima
Eucalyptus oxymitra
Eucalyptus pachyphylla
Eucalyptus papuana
Eucalyptus patens
Eucalyptus pileata
Eucalyptus pilularis
Eucalyptus pimpiniana
Eucalyptus platyphylla
Eucalyptus polyanthemus
Eucalyptus populnea
Eucalyptus porosa
Eucalyptus prava
Eucalyptus pruinosa
Eucalyptus punctata
Eucalyptus pyriformis
Eucalyptus racemosa
Eucalyptus resinifera
Eucalyptus rossii
Eucalyptus rubida
Eucalyptus rudis
Eucalyptus saligna
Eucalyptus salmonophloia
Eucalyptus scoparia
Eucalyptus sessilis

Eucalyptus siderophloia
Eucalyptus sideroxydon
Eucalyptus socialis
Eucalyptus sparsifolia
Eucalyptus spathulata
Eucalyptus tectifera
Eucalyptus tereticornis
Eucalyptus tessellaris
Eucalyptus tetradonta
Eucalyptus todtiana
Eucalyptus transcontinentalis
Eucalyptus umbra
Eucalyptus viminalis
Eucalyptus viridis
Eucalyptus wandoo
Eucalyptus youngiana
Eucalyptus yumbarrana
Melaleuca cardiophylla

Rubiaceae

Canthium sp.

Santalaceae

Exocarpos cupressiformis

Sterculiaceae

Brachychiton sp.

Amyema miraculosa

351 41

Casuarinaceae

Allocasuarina luehmannii

Allocasuarina verticillata

Casuarina sp.

Cupressaceae

Callitris glaucophylla

Loranthaceae

Amyema cambagei

Amyema linophylla

Amyema miquelii

Amyema pendula

Mimosaceae

Acacia aneura

Acacia cambagei

Acacia colletioides

Acacia doratoxydon

Acacia excelsa

Acacia harpophylla

Acacia homalophylla

Acacia pendula

Acacia rostellifera

Acacia salicina

Myoporaceae

Eremophila bignoniiflora

Eremophila duttonii

Eremophila freelingii

Eremophila longifolia

Eremophila mitchellii

Eremophila sturtii

Myoporum acuminatum

Myoporum platycarpum

Myrtaceae

Eucalyptus camaldulensis

Eucalyptus largiflorens

Eucalyptus melliodora

Myrtaceae cont.

Eucalyptus oleosa
Melaleuca halmaturorum
Melaleuca lanceolata
Syncarpia glomulifera

Pittosporaceae

Pittosporum phylliraeoides

Rhamnaceae

Ventilago viminalis

Rubiaceae

Canthium sp.

Rutaceae

Geijera linearifolia

Geijera parviflora

Santalaceae

Exocarpos aphyllus

Santalum acuminatum

Santalum lanceolatum

Santalum spicatum

Sapindaceae

Alectryon oleifolius

Solanaceae

Anthocercis sp.

Amyema nestor

40 5

Mimosaceae

Acacia acuminata

Acacia aneura

Acacia burkittii

Acacia quadrimarginea

Acacia tetragonophylla

Myoporaceae

Eremophila sp.

Amyema pendula

399 75

Casuarinaceae

Allocauarina torulosa

Allocauarina verticillata

Casuarina sp.

Celastraceae

Siphonodon australis

Loranthaceae

Amyema cambagei

Amyema gaudichaudii

Muellerina eucalyptoides

Mimosaceae

Acacia baileyana

Acacia dealbata

Acacia decurrens

Acacia fimbriata

Acacia irrorata

Acacia linifolia

Acacia mearnsii

Acacia melanoxylon

Acacia obliquinervia

Acacia paradoxa

Acacia parramattensis

Acacia pycnantha

Acacia retinervis

Acacia silvestris

Myrtaceae

Angophora floribunda

Eucalyptus agglomerata

Eucalyptus albens

Eucalyptus amplifolia

Eucalyptus andrewsii

Eucalyptus bancroftii

Eucalyptus baueriana

Eucalyptus baxteri

Eucalyptus blakelyi

Eucalyptus blaxlandii

Eucalyptus bosistoana

Eucalyptus bridgesiana

Eucalyptus camaldulensis

Eucalyptus capitellata

Eucalyptus cephalocarpa

Eucalyptus cinerea

Eucalyptus cosmophylla

Eucalyptus dalrympleana

Eucalyptus delegatensis

Eucalyptus diversifolia

Eucalyptus dives

Eucalyptus eugenioides

Eucalyptus fasciculosa

Eucalyptus goniocalyx

Eucalyptus gummifera

Eucalyptus haemastoma

Eucalyptus laevopinea

Eucalyptus leucoxydon

Eucalyptus macrorrhyncha

Eucalyptus mannifera

Eucalyptus melliodora

Eucalyptus micranthera

Eucalyptus moorei

Eucalyptus muelleriana

Eucalyptus nortonii

Eucalyptus nova-anglica

Eucalyptus obliqua

Eucalyptus ovata

Eucalyptus pilularis

Eucalyptus piperita

Eucalyptus polyanthemos

Eucalyptus propinqua

Eucalyptus racemosa

Eucalyptus radiata

Eucalyptus rossii

Eucalyptus seeana

Eucalyptus siderophloia

Eucalyptus sideroxylon

Eucalyptus sieberi

Eucalyptus sparsifolia

Eucalyptus stellulata

Eucalyptus tereticornis

Eucalyptus viminalis

Eucalyptus willisii

Rosaceae

Crataegus monogyna *

Amyema plicatula

2 1

Meliaceae

Dysoxylum fraserianum

<i>Amyema preissii</i>	642	73	<i>Acacia sclerophylla</i>		
Caesalpinaceae			<i>Acacia shirleyi</i>		
<i>Cassia artemisioides</i>			<i>Acacia stenophylla</i>		
<i>Cassia nemophila</i>			<i>Acacia tarculensis</i>		
<i>Cassia phyllodinea</i>			<i>Acacia tetragonophylla</i>		
<i>Cassia sturtii</i>			<i>Acacia trachycarpa</i>		
<i>Senna artemisioides</i>			<i>Acacia vestita</i>		
<i>Senna filifolia</i>			<i>Acacia victoriae</i>		
Casuarinaceae			Myoporaceae		
<i>Casuarina cristata</i>			<i>Eremophila oppositifolia</i>		
Fabaceae			<i>Myoporum platycarpum</i>		
<i>Chamaecytisus palmensis</i> *			Myrtaceae		
<i>Cytisus canariensis</i> *			<i>Calytrix</i> sp.		
<i>Templetonia egena</i>			<i>Eucalyptus gamophylla</i>		
<i>Virgilia capensis</i>			<i>Melaleuca uncinata</i>		
Loranthaceae			Proteaceae		
<i>Lysiana exocarpi</i>			<i>Grevillea wickhamii</i>		
Mimosaceae			<i>Hakea arida</i>		
<i>Acacia acuminata</i>			<i>Hakea eyreana</i>		
<i>Acacia aneura</i>			Rutaceae		
<i>Acacia argyrodendron</i>			<i>Geijera parviflora</i>		
<i>Acacia baileyana</i>			Santalaceae		
<i>Acacia bivenosa</i>			<i>Exocarpos aphyllus</i>		
<i>Acacia blakelyi</i>			<i>Santalum</i> sp.		
<i>Acacia brachybotrya</i>			Sapindaceae		
<i>Acacia brachystachya</i>			<i>Alectryon oleifolius</i>		
<i>Acacia burkittii</i>					
<i>Acacia calamifolia</i>			<i>Amyema pyriforme</i>	4	1
<i>Acacia calcicola</i>			Myrtaceae		
<i>Acacia cabbagei</i>			<i>Eucalyptus rupestris</i>		
<i>Acacia colletioides</i>					
<i>Acacia cuthbertsonii</i>			<i>Amyema quandang</i>	590	53
<i>Acacia cyclops</i>			Apocynaceae		
<i>Acacia decurrens</i>			<i>Carissa ovata</i>		
<i>Acacia dictyophleba</i>			Caesalpinaceae		
<i>Acacia dodonaeifolia</i>			<i>Bauhinia</i> sp.		
<i>Acacia estrophiolata</i>			Casuarinaceae		
<i>Acacia hakeoides</i>			<i>Casuarina</i> sp.		
<i>Acacia hemiteles</i>			Cupressaceae		
<i>Acacia jennerae</i>			<i>Callitris</i> sp.		
<i>Acacia kempeana</i>			Euphorbiaceae		
<i>Acacia ligulata</i>			<i>Mallotus laoxyloides</i>		
<i>Acacia linophylla</i>			Meliaceae		
<i>Acacia loderi</i>			<i>Owenia acidula</i>		
<i>Acacia mearnsii</i>			Mimosaceae		
<i>Acacia melanoxylon</i>			<i>Acacia ammobia</i>		
<i>Acacia murrayana</i>			<i>Acacia aneura</i>		
<i>Acacia notabilis</i>			<i>Acacia argyrodendron</i>		
<i>Acacia nyssophylla</i>			<i>Acacia baileyana</i>		
<i>Acacia oswaldii</i>			<i>Acacia blakei</i>		
<i>Acacia papyrocarpa</i>			<i>Acacia burkittii</i>		
<i>Acacia podalyriifolia</i>			<i>Acacia burrowii</i>		
<i>Acacia pycnantha</i>			<i>Acacia cabbagei</i>		
<i>Acacia ramulosa</i>			<i>Acacia cana</i>		
<i>Acacia retinervis</i>			<i>Acacia cheelii</i>		
<i>Acacia rhigiophylla</i>			<i>Acacia colletioides</i>		
<i>Acacia rigens</i>			<i>Acacia crassa</i>		
<i>Acacia rivalis</i>			<i>Acacia dealbata</i>		
<i>Acacia rostellifera</i>			<i>Acacia deanei</i>		
<i>Acacia salicina</i>			<i>Acacia decurrens</i>		
<i>Acacia saligna</i>					

Mimosaceae cont.

Acacia doratoxylon
Acacia excelsa
Acacia georginae
Acacia gonoclada
Acacia harpophylla
Acacia homalophylla
Acacia kempeana
Acacia leiocalyx
Acacia loderi
Acacia longispicata
Acacia macdonnellensis
Acacia mearnsii
Acacia melanoxylon
Acacia neriifolia
Acacia omalophylla
Acacia oswaldii
Acacia papyrocarpa
Acacia pendula
Acacia pycnantha
Acacia rigens
Acacia shirleyi
Acacia silvestris
Acacia sparsiflora
Acacia tetragonophylla
Acacia victoriae

Myoporaceae

Eremophila mitchellii
Myoporum platycarpum

Myrtaceae

Eucalyptus lacrimans
Eucalyptus largiflorens
Melaleuca lanceolata

Proteaceae

Hakea arborescens

Rutaceae

Flindersia maculosa
Geijera parviflora

Sapindaceae

Alectryon diversifolius
Alectryon oleifolius

***Amyema quaternifolia* 12 0**

No recorded host species

***Amyema queenslandica* 45 9**

Burseraceae

Canarium australasicum
Canarium muelleri

Elaeocarpaceae

Sloanea macbrydei

Lauraceae

Cryptocarya angulata

Meliaceae

Dysoxylum mollissimum

Moraceae

Ficus crassipes

Myrtaceae

Syncarpia sp.

Pinaceae

Pinus elliotii

Proteaceae

Grevillea sp.

Rhamnaceae

Alphitonia petriei

Rutaceae

Acronychia vestita

***Amyema sanguinea* 325 34**

Mimosaceae

Acacia sp.

Myrtaceae

Eucalyptus apodophylla
Eucalyptus aspera
Eucalyptus brachyandra
Eucalyptus camaldulensis
Eucalyptus chippendalei
Eucalyptus citriodora
Eucalyptus clarksoniana
Eucalyptus confertiflora
Eucalyptus coolabah
Eucalyptus cyanoclada
Eucalyptus deserticola
Eucalyptus dichromophloia
Eucalyptus foelscheana
Eucalyptus grandifolia
Eucalyptus gummifera
Eucalyptus latifolia
Eucalyptus leptophleba
Eucalyptus leucophloia
Eucalyptus microtheca
Eucalyptus miniata
Eucalyptus normantonensis
Eucalyptus pachyphylla
Eucalyptus papuana
Eucalyptus phoenicea
Eucalyptus polycarpa
Eucalyptus polysciada
Eucalyptus pruinosa
Eucalyptus setosa
Eucalyptus tectifera
Eucalyptus terminalis
Eucalyptus tessellaris
Eucalyptus tetradonta
Eucalyptus zygophylla
Leptospermum sp.
Melaleuca sp.

Rubiaceae

Timonius timon

***Amyema seemeniana* 6 0**

No recorded host species

***Amyema subcapitata* 1 0**

No recorded host species

***Amyema thalassia* 29 3**

Bombacaceae

Campostemon schultzei

Euphorbiaceae*Excoecaria agallocha***Verbenaceae***Avicennia marina****Amyema tridactyla***

18 6

Myrtaceae*Asteromyrtus magnifica**Baeckea* sp.*Calytrix brachychaeta**Calytrix brownii**Calytrix exstipulata**Melaleuca punicea**Regelia punicea****Amyema villiflora***

213 34

Apocynaceae*Carissa ovata**Wrightia saligna***Caesalpiniaceae***Lysiphyllum cunninghamii**Lysiphyllum hookeri***Casuarinaceae***Casuarina* sp.**Combretaceae***Lumnitzera racemosa**Terminalia arostrata**Terminalia bursarina**Terminalia canescens**Terminalia carpentariae**Terminalia ferdinandiana**Terminalia grandiflora**Terminalia melanocarpa**Terminalia platyphylla**Terminalia subacroptera***Erythroxylaceae***Erythroxylum* sp.**Euphorbiaceae***Croton habrophyllus**Drypetes lasiogyna**Petalostigma pubescens**Petalostigma quadriloculare***Lecythidaceae***Barringtonia* sp.**Loranthaceae***Dendrophthoe glabrescens***Malvaceae***Thespesia populnea***Mimosaceae***Acacia aneura**Acacia doratoxylon**Acacia holosericea**Acacia shirleyi***Moraceae***Ficus virens***Myrtaceae***Eucalyptus polycarpa***Rubiaceae***Aidia racemosa**Gardenia* sp.**Rutaceae***Flindersia acuminata***Santalaceae***Exocarpos latifolius***Sapindaceae***Alectryon connatus***Sapotaceae***Planchonella euphlebica**Pouteria sericea**Pouteria unmackiana***Verbenaceae***Premna serratifolia****Amyema whitei***

39 4

Euphorbiaceae*Macaranga subdentata***Idiospermaceae***Idiospermum australiense***Proteaceae***Musgravea* sp.**Rutaceae***Acronychia vestita***Sapindaceae***Synima cordieri***Sapotaceae***Planchonella* sp.***Amylothea dictyophleba***

237 49

Annonaceae*Polyalthia nitidissima***Bignoniaceae***Jacaranda mimosifolia* ***Casuarinaceae***Casuarina cunninghamiana***Clusiaceae***Garcinia* sp.**Connaraceae***Connarus conchocarpus***Ebenaceae***Diospyros australis***Elaeagnaceae***Elaeocarpus obovatus**Elaeocarpus reticulatus***Epacridaceae***Leucopogon* sp.**Euphorbiaceae***Drypetes lasiogyna**Macaranga subdentata**Mallotus philippinensis**Mallotus polyadenos***Eupomatiaceae***Eupomatia laurina***Flacourtiaceae***Scolopia braunii***Grossulariaceae***Abrophyllum ornans**Polyosma cunninghamii***Lauraceae***Beilschmiedia obtusifolia**Cinnamomum camphora*

Lauraceae cont.

Cryptocarya cunninghamii
Cryptocarya rigida
Endiandra cowleyana
Endiandra discolor
Endiandra glauca
Endiandra muelleri
Endiandra virens

Meliaceae

Anthocarapa nitidula
Dysoxylum rufum

Mimosaceae

Acacia crassicaarpa
Acacia excelsa
Acacia melanoxylon

Monimiaceae

Doryphora aromatica
Doryphora sassafras

Moraceae

Ficus opposita
Pseudomorus brunoniana

Myrsinaceae

Rapanea variabilis

Myrtaceae

Acmena smithii
Austromyrtus sp.
Backhousia sciadophora
Eugenia sp.
Lophostemon suaveolens
Rhodamnia acuminata
Rhodomyrtus trineura
Syzygium sp.

Rhamnaceae

Alphitonia excelsa
Alphitonia petriei

Rubiaceae

Psychotria sp.

Rutaceae

Acronychia imperforata

Santalaceae

Exocarpos latifolius

Sapindaceae

Cupaniopsis anacardioides
Jagera pseudorhus

Sapotaceae

Chrysophyllum lanceolatum
Planchonella chartacea

Ulmaceae

Aphananthe philippinensis

Urticaceae

Pipturus argenteus

Verbenaceae

Petrea sp.

Amylotheca subumbellata

12 6

Casuarinaceae

Casuarina sp.

Myrtaceae

Archirodomyrtus beckleri
Eucalyptus sideroxylon
Rhodomyrtus sericea

Rhodomyrtus trineura

Pittosporaceae

Pittosporum venulosum

Proteaceae

Grevillea pteridifolia

Benthamina alyxifolia

41 10

Boraginaceae

Ehretia acuminata

Casuarinaceae

Allocauarina littoralis
Allocauarina verticillata
Casuarina sp.

Mimosaceae

Acacia melanoxylon

Monimiaceae

Daphnandra micrantha

Myrtaceae

Callistemon viminalis
Eugenia sp.

Proteaceae

Macadamia sp.

Sapindaceae

Cupaniopsis anacardioides
Guioa semiglauc

Solanaceae

Duboisia myoporoides

Ulmaceae

Aphananthe philippinensis

Cecarria obtusifolia

8 1

Myrtaceae

Xanthostemon chrysanthus

Dactylophora novaeguineae

10 0

Euphorbiaceae

Mallotus sp.

Decaisnina angustata

83 18

Anacardiaceae

Buchanania obovata

Caesalpiniaceae

Erythrophloeum chlorostachys

Celastraceae

Denhamia obscura

Chrysobalanaceae

Maranthes corymbosa

Combretaceae

Terminalia sp.

Fabaceae

Derris uliginosa

Lecythidaceae

Barringtonia acutangula
Planchonia careya

Meliaceae

Owenia sp.

Moraceae

Ficus leucotracha
Ficus opposita

Moraceae cont.*Ficus platypoda**Ficus scobina**Ficus virens***Myrtaceae***Eucalyptus confertiflora**Lophostemon grandiflorus**Melaleuca* sp.*Syzygium suborbiculare**Tristania* sp.**Proteaceae***Banksia dentata***Rubiaceae***Timonius timon***Sapotaceae***Pouteria sericea****Decaisnina biangulata***

13 2

Combretaceae*Terminalia* sp.**Myrtaceae***Lophostemon grandiflorus**Syzygium eucalyptoides**Tristania* sp.***Decaisnina brittenii***

126 20

Anacardiaceae*Buchanania obovata**Euroschinus falcata***Apocynaceae***Alstonia actinophylla***Chrysobalanaceae***Parinari nonda***Combretaceae***Terminalia* sp.**Lecythidaceae***Barringtonia acutangala**Barringtonia asiatica**Planchonia careya***Moraceae***Ficus benjamina***Myrtaceae***Eucalyptus* sp.*Lophostemon grandiflorus**Lophostemon lactifluus**Lophostemon suaveolens**Melaleuca acacioides**Melaleuca argentea**Melaleuca cajuputi**Melaleuca dealbata**Melaleuca leucadendra**Melaleuca saligna**Melaleuca viridiflora**Syzygium eucalyptoides**Syzygium suborbiculare**Tristania* sp.**Rhamnaceae***Alphitonia* sp.***Decaisnina congesta***

15 2

Apocynaceae*Alstonia muelleriana***Moraceae***Morus nigra****Decaisnina hollrungii***

13 1

Lecythidaceae*Planchonia careya****Decaisnina signata***

136 28

Anacardiaceae*Buchanania obovata***Apocynaceae***Alstonia actinophylla**Nerium oleander* ***Asclepiadaceae***Asclepias* sp.**Chrysobalanaceae***Parinari nonda***Combretaceae***Terminalia* sp.**Euphorbiaceae***Antidesma ghaesembilla**Excoecaria agallocha**Mallotus polyadenos**Petalostigma* sp.**Lecythidaceae***Barringtonia acutangula**Planchonia careya***Loranthaceae***Amyema bifurcata***Mimosaceae***Mimosa pigra* ***Moraceae***Ficus opposita**Ficus platypoda**Ficus scobina**Ficus virens**Morus nigra***Myrtaceae***Eucalyptus tetradonta**Eugenia* sp.*Lophostemon lactifluus**Melaleuca cajuputi**Melaleuca dealbata**Melaleuca viridiflora**Syzygium eucalyptoides**Syzygium suborbiculare**Tristania* sp.*Xanthostemon eucalyptoides***Proteaceae***Banksia dentata***Rubiaceae***Coelospermum reticulatum**Ixora timorensis**Timonius timon*

Decaisnina triflora	63	25	Caesalpinaceae	
Anacardiaceae			<i>Erythrophloeum chlorostachys</i>	
<i>Buchanania arborescens</i>			Capparaceae	
<i>Buchanania obovata</i>			<i>Capparis mitchellii</i>	
<i>Semecarpus australiensis</i>			Combretaceae	
Apocynaceae			<i>Terminalia canescens</i>	
<i>Ervatamia orientalis</i>			<i>Terminalia ferdinandiana</i>	
Asclepiadaceae			<i>Terminalia fitzgeraldii</i>	
<i>Asclepias</i> sp.			<i>Terminalia platyphylla</i>	
Casuarinaceae			Mimosaceae	
<i>Casuarina equisetifolia</i>			<i>Acacia aulacocarpa</i>	
Chrysobalanaceae			<i>Acacia delibrata</i>	
<i>Maranthes corymbosa</i>			<i>Acacia dimidiata</i>	
Clusiaceae			<i>Acacia dunnii</i>	
<i>Calophyllum soulattri</i>			<i>Acacia holosericea</i>	
Combretaceae			<i>Acacia monticola</i>	
<i>Terminalia</i> sp.			<i>Acacia mountfordiae</i>	
Dilleniaceae			<i>Acacia pellita</i>	
<i>Dillena alata</i>			<i>Acacia plectocarpa</i>	
Ebenaceae			<i>Acacia retinervis</i>	
<i>Diospyros littorea</i>			<i>Acacia sericata</i>	
Elaeagnaceae			<i>Acacia tumida</i>	
<i>Elaeocarpus arnhemicus</i>			Myrtaceae	
Euphorbiaceae			<i>Eucalyptus miniata</i>	
<i>Glochidion</i> sp.			<i>Melaleuca</i> sp.	
Lauraceae			<i>Metrosideros</i> sp.	
<i>Cryptocarya cunninghamii</i>			<i>Syzygium suborbiculare</i>	
<i>Litsea ferruginea</i>			Proteaceae	
Lecythidaceae			<i>Grevillea angulata</i>	
<i>Planchonia careya</i>			<i>Grevillea heliosperma</i>	
Mimosaceae			<i>Grevillea parallela</i>	
<i>Acacia pellita</i>			<i>Grevillea pteridifolia</i>	
Moraceae			Rhamnaceae	
<i>Ficus scobina</i>			<i>Ventilago</i> sp.	
Myristicaceae			Rubiaceae	
<i>Myristica insipida</i>			<i>Gardenia</i> sp.	
Myrtaceae			Simaroubaceae	
<i>Lophostemon lactifluus</i>			<i>Ailanthus triphysa</i>	
<i>Syzygium fibrosum</i>			Sterculiaceae	
Rhamnaceae			<i>Brachychiton diversifolius</i>	
<i>Alphitonia excelsa</i>			<i>Sterculia viscidula</i>	
Rhizophoraceae			Dendrophthoe curvata	93 29
<i>Carallia brachiata</i>			Anacardiaceae	
Rubiaceae			<i>Pleiogynium timorense</i>	
<i>Ixora timorensis</i>			Annonaceae	
<i>Psydrax lamprophylla</i>			<i>Annona muricata</i>	
<i>Timonius timon</i>			Apocynaceae	
Sapotaceae			<i>Cerbera</i> sp.	
<i>Pouteria sericea</i>			Bignoniaceae	
Thymelaeaceae			<i>Jacaranda mimosifolia</i> *	
<i>Wikstroemia indica</i>			Caesalpinaceae	
Dendrophthoe acacioides	175	30	<i>Bauhinia</i> sp.	
Anacardiaceae			Casuarinaceae	
<i>Blepharocarya depauperata</i>			<i>Casuarina</i> sp.	
Bixaceae			Euphorbiaceae	
<i>Cochlospermum fraseri</i>			<i>Glochidion hylandii</i>	
Bombacaceae			Lauraceae	
<i>Adansonia gregorii</i>			<i>Cryptocarya triplinervis</i>	

Loranthaceae*Muellerina eucalyptoides***Meliaceae***Melia azedarach***Mimosaceae***Acacia aulacocarpa**Archidendron grandiflorum***Moraceae***Ficus* sp.**Myrtaceae***Acmena* sp.*Angophora floribunda**Callistemon viminalis**Eucalyptus camaldulensis**Eucalyptus cullenii**Eucalyptus gummifera**Eucalyptus papuana**Lophostemon suaveolens**Melaleuca bracteata**Melaleuca nodosa**Melaleuca quinquenervia**Syzygium* sp.**Platanaceae***Platanus orientalis* ***Proteaceae***Lomatia fraxinifolia***Rhamnaceae***Alphitonia excelsa**Alphitonia petriei**Alphitonia philipensis***Rutaceae***Acronychia vestita**Citrus limon* **Citrus sinensis* **Flindersia acuminata***Verbenaceae***Lantana camara* ****Dendrophthoe glabrescens*** 302 76**Anacardiaceae***Schinus areira* ***Apocynaceae***Nerium oleander* ***Bombacaceae***Adansonia gregorii***Burseraceae***Canarium australasicum**Canarium australianum***Caesalpinaceae***Erythrophloeum chlorostachys***Casuarinaceae***Allocasuarina inophloia**Allocasuarina littoralis**Casuarina cristata***Chrysobalanaceae***Parinari nonda***Combretaceae***Terminalia aridicola***Ebenaceae***Diospyros ferrea***Euphorbiaceae***Excoecaria agallocha**Flueggia virosa**Mallotus nesophilus***Fabaceae***Chamaecytisus palmensis* **Tephrosia brachyodon***Fagaceae***Quercus robur* ***Lecythidaceae***Barringtonia acutangula**Barringtonia asiatica***Loranthaceae***Amyema cambagei**Amyema villiflora***Magnoliaceae***Magnolia grandiflora* ***Melastomataceae***Melastoma polyanthum***Mimosaceae***Acacia aulacocarpa**Acacia bidwillii**Acacia concurrens**Acacia crassicaarpa**Acacia excelsa**Acacia farnesiana**Acacia mangium**Acacia rothii**Acacia salicina***Moraceae***Ficus platypoda***Myrtaceae***Angophora floribunda**Callistemon viminalis**Eucalyptus bancroftii**Eucalyptus camaldulensis**Eucalyptus coolabah**Eucalyptus crebra**Eucalyptus dealbata**Eucalyptus decorticans**Eucalyptus exserta**Eucalyptus lamoprophylla**Eucalyptus leptophleba**Eucalyptus melanophloia**Eucalyptus microtheca**Eucalyptus papuana**Eucalyptus platyphylla**Eucalyptus setosa**Eucalyptus tereticornis**Eucalyptus tetradonta**Eucalyptus trachyphloia**Eucalyptus viridis**Lophostemon grandiflorus**Lophostemon suaveolens**Melaleuca dealbata**Melaleuca leucadendra**Melaleuca quinquenervia**Melaleuca saligna**Melaleuca stenostachya**Melaleuca viridiflora**Neofabricia myrtifolia*

Myrtaceae cont.

Tristania sp.
Welchiodendron longivalve

Proteaceae

Grevillea decora
Grevillea sessilis

Rhizophoraceae

Rhizophora stylosa

Rubiaceae

Pavetta australiensis

Sapindaceae

Atalaya hemiglauca
Cupaniopsis anacardioides
Dodonaea platyptera

Sterculiaceae

Brachychiton australis
Brachychiton populneus
Brachychiton rupestris
Commersonia bartramia
Sterculia quadrifida

***Dendrophthoe homoplastica* 55 15**

Anacardaceae

Buchanania obovata

Combretaceae

Terminalia platyphylla

Mimosaceae

Acacia sp.

Myrtaceae

Eucalyptus crebra
Eucalyptus dolichocarpa
Eucalyptus exserta
Eucalyptus melanophloia
Eucalyptus setosa
Eucalyptus shirleyi
Lophostemon confertus
Lophostemon grandiflorus
Lophostemon lactifluus
Lophostemon suaveolens
Melaleuca argentea
Melaleuca leucadendra
Tristania sp.

Proteaceae

Grevillea pteridifolia

***Dendrophthoe odontocalyx* 125 24**

Anacardaceae

Buchanania obovata

Caesalpiniaceae

Erythrophloeum chlorostachys

Combretaceae

Terminalia sp.

Lythraceae

Lagerstroemia indica *

Mimosaceae

Acacia clavigera
Acacia excelsa
Acacia farnesiana
Acacia latescens

Myrtaceae

Allosyncarpia ternata
Eucalyptus camaldulensis
Eucalyptus foelscheana
Eucalyptus papuana
Eucalyptus phoenicea
Eucalyptus polysiada
Eucalyptus tectifera
Eugenia sp.
Melaleuca argentea
Melaleuca cajuputi
Melaleuca viridiflora
Syzygium suborbiculare
Xanthostemon psidioides

Proteaceae

Grevillea arenaria
Grevillea pteridifolia
Grevillea refracta
Hakea arborescens
Persoonia falcata

***Dendrophthoe vitellina* 346 76**

Anacardaceae

Schinus areira *

Annonaceae

Annona muricata

Apocynaceae

Nerium oleander *

Burseraceae

Canarium australianum

Casuarinaceae

Allocasuarina littoralis
Casuarina cunninghamiana

Clusiaceae

Calophyllum sp.

Euphorbiaceae

Excoecaria agallocha

Fabaceae

Chamaecytisus palmensis *

Lauraceae

Cryptocarya triplinervis

Lecythidaceae

Barringtonia sp.

Loranthaceae

Amyema pendula
Muellerina eucalyptoides

Lythraceae

Lagerstroemia sp.

Magnoliaceae

Magnolia sp. *

Malvaceae

Hibiscus tiliaceus

Meliaceae

Melia azedarach

Mimosaceae

Acacia aulacocarpa
Acacia decurrens
Acacia linifolia
Acacia paradoxa
Pithecellobium sp.

Myrsinaceae*Rapanea porosa***Myrtaceae***Angophora bakeri**Angophora costata**Angophora floribunda**Angophora subvelutina**Callistemon citrinus**Callistemon linearis**Callistemon rigidus**Callistemon viminalis**Eucalyptus acmenoides**Eucalyptus amplifolia**Eucalyptus calophylla**Eucalyptus camaldulensis**Eucalyptus dolichocarpa**Eucalyptus eximia**Eucalyptus fibrosa**Eucalyptus globoidea**Eucalyptus gummifera**Eucalyptus haemastoma**Eucalyptus intermedia**Eucalyptus leptophleba**Eucalyptus maculata**Eucalyptus notabilis**Eucalyptus obstans**Eucalyptus piperita**Eucalyptus punctata**Eucalyptus seeana**Eucalyptus shirleyi**Eucalyptus tereticornis**Eucalyptus tindalei**Eucalyptus trachyphloia**Eucalyptus umbra**Eugenia* sp.*Kunzea ambigua**Kunzea capitata**Leptospermum* sp.*Lophostemon confertus**Lophostemon laurina**Lophostemon suaveolens**Melaleuca leucadendra**Melaleuca linariifolia**Melaleuca nodosa**Melaleuca parviflora**Melaleuca quinquenervia**Melaleuca styphelioides**Psidium guajava**Tristania neriifolia***Pinaceae***Pinus* sp. ***Pittosporaceae***Bursaria spinosa***Proteaceae***Grevillea robusta**Hakea dactyloides**Persoonia linearis***Rosaceae***Crataegus monogyna* **Cydonia oblonga* **Malus domestica* **Pyrus communis* ***Rutaceae***Citrus limon* **Euodia* sp.**Salicaceae***Populus alba* **Salix babylonica* ***Santalaceae***Exocarpos cupressiformis***Sapindaceae***Mischocarpus* sp.**Sterculiaceae***Brachychiton populneus***Symplocaceae***Symplocos* sp.**Winteraceae***Zygogynum semecarpoides****Diplatia furcata***

56 16

Loranthaceae*Dendrophthoe vitellina***Myrtaceae***Asteromyrtus angustifolia**Asteromyrtus symphyocarpa**Baeckea* sp.*Callistemon viminalis**Eucalyptus* sp.*Leptospermum neglectum**Melaleuca bracteata**Melaleuca cajuputi**Melaleuca leucadendra**Melaleuca linariifolia**Melaleuca quinquenervia**Melaleuca viridiflora**Neofabricia myrtifolia**Thryptomene oligandra***Rubiaceae***Canthium vacciniifolium***Rutaceae***Flindersia collina***Sapindaceae***Alectryon diversifolius****Diplatia grandibractea***

152 15

Loranthaceae*Amyema sanguinea***Myrtaceae***Eucalyptus brownii**Eucalyptus camaldulensis**Eucalyptus coolabah**Eucalyptus crebra**Eucalyptus leucophloia**Eucalyptus melanophloia**Eucalyptus microtheca**Eucalyptus miniata**Eucalyptus normantonensis**Eucalyptus persistens**Eucalyptus populnea**Eucalyptus pruinosa**Eucalyptus tectifera**Melaleuca* sp.

Sapindaceae*Atalaya hemiglauca***Diplatia tomentosa** 9 4**Myrtaceae***Melaleuca arcana**Melaleuca leucadendra**Melaleuca nervosa**Melaleuca quinquenervia***Lysiana casuarinae** 103 17**Apocynaceae***Alyxia buxifolia***Caesalpiniaceae***Cassia* sp.**Casuarinaceae***Allocauarina huegeliana**Casuarina glauca**Casuarina obesa***Mimosaceae***Acacia acuminata**Acacia aneura**Acacia craspedocarpa**Acacia kempeana**Acacia pyrifolia**Acacia tetragonophylla**Acacia victoriae**Acacia xiphophylla***Myoporaceae***Eremophila pterocarpa***Myrtaceae***Melaleuca* sp.**Pittosporaceae***Pittosporum phylliraeoides***Proteaceae***Hakea preissii***Santalaceae***Exocarpos aphyllus**Santalum lanceolatum***Sapindaceae***Alectryon* sp.**Lysiana exocarp** 901 109**Apocynaceae***Alyxia buxifolia**Nerium oleander* ***Caesalpiniaceae***Bauhinia carronii**Bauhinia cunninghamii**Cassia artemisioides**Cassia leurssenii**Cassia nemophila**Cassia sturtii**Lysiphyllum carronii**Lysiphyllum gilvum**Senna artemisioides**Senna filifolia***Capparaceae***Apophyllum anomalum**Capparis lucida**Capparis mitchellii***Casuarinaceae***Allocauarina luehmannii**Allocauarina paludosa**Allocauarina verticillata**Casuarina cristata**Casuarina cunninghamiana**Casuarina glauca***Chenopodiaceae***Chenopodium nitrariaceum***Fabaceae***Chamaecytisus palmensis* **Templetonia egena***Fagaceae***Quercus wislizenii* ***Loranthaceae***Amyema maidenii**Amyema miquelii**Amyema quandang***Malvaceae***Lagunaria patersonii***Meliaceae***Owenia acidula***Mimosaceae***Acacia aneura**Acacia argyrodendron**Acacia brachystachya**Acacia burkittii**Acacia calamifolia**Acacia calcicola**Acacia cambagei**Acacia colletioides**Acacia deanei**Acacia dodonaeifolia**Acacia excelsa**Acacia farnesiana**Acacia homalophylla**Acacia kempeana**Acacia ligulata**Acacia longispicata**Acacia mearnsii**Acacia melanoxylon**Acacia oswaldii**Acacia papyrocarpa**Acacia paradoxa**Acacia peuce**Acacia podalyriifolia**Acacia ramulosa**Acacia retinervis**Acacia rivalis**Acacia salicina**Acacia sessiliceps**Acacia stenophylla**Acacia tetragonophylla**Acacia victoriae**Prosopis juliflora***Moraceae***Ficus platypoda**Maclura* sp.**Myoporaceae***Eremophila dalyana*

Myoporaceae cont.

Eremophila denticulata
Eremophila duttonii
Eremophila freelingii
Eremophila latrobei
Eremophila longifolia
Eremophila maculata
Eremophila mitchellii
Eremophila paisleyi
Eremophila scoparia
Eremophila sturtii
Myoporum platycarpum

Myrtaceae

Eucalyptus coolabah
Eucalyptus fasciculosa
Eucalyptus intertexta
Eucalyptus leucoxylon
Eucalyptus socialis
Eucalyptus viminalis
Melaleuca glomerata
Melaleuca linariifolia
Melaleuca linophylla
Melaleuca pubescens
Melaleuca uncinata

Oleaceae

Jasminum sp. *
Olea europaea *

Pittosporaceae

Bursaria spinosa
Pittosporum phylliraeoides

Polygonaceae

Muehlenbeckia cunninghamii

Proteaceae

Grevillea huegeli
Hakea divaricata
Hakea leucoptera

Rhamnaceae

Ceanothus sp.

Rutaceae

Citrus limon *
Citrus reticulata *
Eremocitrus glauca
Geijera linearifolia
Geijera parviflora

Santalaceae

Exocarpos aphyllus
Exocarpos cupressiformis
Santalum acuminatum
Santalum lanceolatum
Santalum murrayanum

Sapindaceae

Alectryon diversifolius
Alectryon oleifolius
Atalaya hemiglauca
Dodonaea viscosa

Solanaceae

Nicotiana glauca

Zygophyllaceae

Nitraria billardierei

Lysiana filifolia

12 3

Casuarinaceae

Allocasuarina luehmannii
Casuarina cunninghamiana

Mimosaceae

Acacia bidwillii

Lysiana linearifolia

74 16

Apocynaceae

Nerium oleander *

Caesalpiniaceae

Bauhinia carronii
Cassia phyllodinea

Capparaceae

Apophyllum anomalum
Capparis sp.

Loranthaceae

Amyema quandang

Mimosaceae

Acacia aneura
Acacia burkittii
Acacia colletioides
Acacia excelsa
Acacia farnesiana

Myoporaceae

Eremophila mitchellii

Myrtaceae

Eucalyptus coolabah

Pittosporaceae

Pittosporum phylliraeoides

Proteaceae

Grevillea striata

Rutaceae

Flindersia maculosa

Santalaceae

Santalum lanceolatum

Lysiana maritima

27 8

Capparaceae

Capparis sp.

Casuarinaceae

Casuarina glauca

Euphorbiaceae

Excoecaria agallocha
Excoecaria ovalis
Excoecaria parvifolia

Mimosaceae

Acacia leptocarpa

Myoporaceae

Myoporum acuminatum

Rhizophoraceae

Ceriops tagal
Rhizophora mucronata

Verbenaceae

Premna sp.

Lysiana murrayi

249 18

Caesalpiniaceae

Cassia desolata

Casuarinaceae*Casuarina* sp.**Malvaceae***Gossypium australe***Mimosaceae***Acacia adsurgens**Acacia aneura**Acacia brachystachya**Acacia burkittii**Acacia coriacea**Acacia craspedocarpa**Acacia cyperophylla**Acacia farnesiana**Acacia kempeana**Acacia ramulosa**Acacia tetragonophylla**Acacia victoriae***Myoporaceae***Eremophila freelingii**Eremophila mitchellii***Myrtaceae***Eucalyptus* sp.*Melaleuca* sp.**Pittosporaceae***Pittosporum phylliraeoides***Polygonaceae***Muehlenbeckia cunninghamii****Lysiana spathulata***

432 82

Anacardaceae*Buchanania* sp.*Pleiogynium timorense***Apocynaceae***Nerium oleander* ***Bombacaceae***Adansonia gregorii***Caesalpiniaceae***Bauhinia* sp.*Cassia sturtii**Erythrophloeum chlorostachys**Lysiphyllum cunninghamii**Lysiphyllum hookeri**Senna artemisioides***Capparaceae***Capparis loranthifolia**Capparis umbonata***Combretaceae***Lumnitzera racemosa**Terminalia* sp.**Cupressaceae***Callitris columellaris**Callitris glaucophylla**Callitris intratropica***Euphorbiaceae***Excoecaria parvifolia**Flueggia virosa***Loranthaceae***Amyema benthamii**Dendrophthoe odontocalyx***Malvaceae***Lagunaria patersonii***Meliaceae***Owenia* sp.**Mimosaceae***Acacia acradenia**Acacia ammobia**Acacia aneura**Acacia aulacocarpa**Acacia bidwillii**Acacia cambagei**Acacia chisholmii**Acacia colei**Acacia coriacea**Acacia cowleana**Acacia dictyophleba**Acacia difficilis**Acacia dolichophylla**Acacia eriopoda**Acacia estrophiolata**Acacia farnesiana**Acacia gonoclada**Acacia hammondii**Acacia hemignosta**Acacia hemsleyi**Acacia holosericea**Acacia julifera**Acacia kempeana**Acacia latifolia**Acacia lysiphloia**Acacia macdonnellensis**Acacia mangium**Acacia monticola**Acacia orthocarpa**Acacia pendula**Acacia retivenia**Acacia signata**Acacia stipuligera**Acacia tumida**Acacia victoriae**Acacia wickhamii***Moraceae***Ficus obliqua**Ficus platypoda***Myoporaceae***Eremophila* sp.**Myrtaceae***Eucalyptus aspera**Eucalyptus camaldulensis**Eucalyptus cliftoniana**Eucalyptus cyanoclada**Eucalyptus leucophloia**Eucalyptus microtheca**Eucalyptus papuana**Melaleuca glomerata**Melaleuca linariifolia***Pittosporaceae***Pittosporum phylliraeoides***Proteaceae***Grevillea pteridifolia**Grevillea striata**Hakea arborescens**Hakea chordophylla*

Proteaceae cont.

Hakea macrocarpa
Hakea standleyensis
Persoonia sp.

Rhamnaceae

Alphitonia excelsa

Rubiaceae

Gardenia ochreatea
Gardenia resinosa

Rutaceae

Geijera salicifolia
Micromelum minutum

Santalaceae

Santalum lanceolatum

Sapindaceae

Alectryon sp.
Atalaya collina
Atalaya hemiglauca
Dodonaea sp.

Urticaceae

Boehmeria sp.

Viscaceae

Viscum articulatum

Lysiana subfalcata

415 89

Apocynaceae

Nerium oleander *

Caesalpiniaceae

Bauhinia carronii
Bauhinia cunninghamii
Cassia sp.
Lysiphyllum carronii
Lysiphyllum cunninghamii
Lysiphyllum gilvum
Senna artemisioides

Capparaceae

Apophyllum anomalum
Capparis lasiantha
Capparis loranthifolia
Capparis mitchellii

Casuarinaceae

Allocasuarina decaisneana
Casuarina cristata
Casuarina glauca

Celastraceae

Denhamia obscura
Maytenus cunninghamii

Euphorbiaceae

Excoecaria agallocha
Excoecaria parvifolia
Petalostigma pubescens

Loranthaceae

Amyema preissii

Malvaceae

Thespesia sp.

Meliaceae

Azadirachta indica *
Owenia acidula

Mimosaceae

Acacia acradenia

Acacia aneura
Acacia burrowii
Acacia cana
Acacia chisholmii
Acacia colletioides
Acacia coriacea
Acacia deanei
Acacia doratoxylon
Acacia excelsa
Acacia farnesiana
Acacia hemsleyi
Acacia holosericea
Acacia ligulata
Acacia longispicata
Acacia murrayana
Acacia nilotica
Acacia oraria
Acacia oswaldii
Acacia peuce
Acacia sericata
Acacia sessiliceps
Acacia shirleyi
Acacia simsii
Acacia stenophylla
Acacia tumida
Acacia uncifera
Acacia undoolyana
Acacia victoriae
Archidendropsis basaltica *
Moraceae
Ficus opposita
Myoporaceae
Eremophila duttonii
Myrtaceae
Angophora costata
Eucalyptus brachyandra
Eucalyptus brownii
Eucalyptus clarksoniana
Eucalyptus longifolia
Eucalyptus polycarpa
Eucalyptus populnea
Lysicarpus angustifolius
Melaleuca leucadendra
Pittosporaceae
Bursaria spinosa
Pittosporum phylliraeoides
Polygonaceae
Muehlenbeckia cunninghamii
Proteaceae
Grevillea parallela
Grevillea parviflora
Grevillea sessilis
Grevillea striata
Hakea ivoryi
Hakea leucoptera
Hakea lorea
Rhizophoraceae
Rhizophora mucronata
Rubiaceae
Canthium oleifolium
Gardenia resinosa

Rubiaceae cont.*Psydrax lamprophylla***Rutaceae***Citrus limon* **Eremocitrus glauca**Flindersia collina**Geijera parviflora***Santalaceae***Exocarpos cupressiformis**Santalum acuminatum**Santalum lanceolatum***Sapindaceae***Alectryon forsythii**Alectryon oleifolius**Atalaya hemiglauc***Sapotaceae***Pouteria sericea***Urticaceae***Boehmeria* sp.**Zygophyllaceae***Nitraria billardierei***Muellerina bidwillii**

60

6

Cupressaceae*Callitris columellaris**Callitris endlicheri**Callitris glaucophylla**Callitris preissii**Callitris rhomboidea***Fabaceae***Chamaecytisus palmensis* ***Muellerina celastroides**

194

43

Anacardaceae*Schinus areira* ***Apocynaceae***Nerium oleander* ***Araliaceae***Astrotricha floccosa***Araucariaceae***Araucaria heterophylla***Casuarinaceae***Allocauarina littoralis**Allocauarina torulosa**Casuarina* sp.**Epacridaceae***Acrotriche aggregata***Fabaceae***Robinia pseudoacacia* ***Fagaceae***Quercus alba* **Quercus vigineriana* ***Lauraceae***Cryptocarya laevigata**Litsea reticulata***Loranthaceae***Amyema miquelii**Dendrophthoe vitellina**Muellerina eucalyptoides***Magnoliaceae***Magnolia grandiflora* ***Meliaceae***Melia azedarach**Synoum glandulosum***Mimosaceae***Acacia* sp.**Moraceae***Ficus* sp.**Myrtaceae***Acmena smithii**Angophora floribunda***Myrtaceae cont.***Callistemon lanceolatus**Eucalyptus blakelyi**Eucalyptus calophylla**Eucalyptus camaldulensis**Eucalyptus polyanthemus**Eucalyptus tereticornis**Syncarpia glomulifera***Platanaceae***Platanus orientalis* ***Proteaceae***Banksia aemula**Banksia integrifolia**Banksia marginata**Banksia serrata**Hakea salicifolia**Macadamia* sp.*Persoonia* sp.**Rosaceae***Malus domestica* **Photinia serrulata* **Prunus armeniaca* **Prunus domestica* **Prunus persica* **Pyrus communis* ***Rutaceae***Acronychia imperforata**Citrus limon* ***Santalaceae***Exocarpos cupressiformis***Sapindaceae***Harpullia pendula***Muellerina eucalyptoides**

336

115

Anacardaceae*Schinus areira* ***Apocynaceae***Nerium oleander* ***Casuarinaceae***Allocauarina littoralis**Allocauarina torulosa**Allocauarina verticillata**Casuarina glauca***Celastraceae***Euonymus japonicus* ***Cupressaceae***Callitris endlicheri***Fabaceae***Chamaecytisus palmensis* ***Fagaceae***Quercus humilis* **Quercus robur* *

Loranthaceae

Lysiana exocarp
Muellerina celastroides
Muellerina eucalyptoides

Magnoliaceae

Magnolia grandiflora *

Meliaceae

Melia azedarach

Mimosaceae

Acacia adunca
Acacia baileyana
Acacia binervata
Acacia decurrens
Acacia ferminens
Acacia floribunda
Acacia fulva
Acacia implexa
Acacia linifolia
Acacia mearnsii
Acacia melanoxylon
Acacia paradoxa
Acacia prominens

Myrtaceae

Angophora bakeri
Angophora costata
Angophora floribunda
Angophora hispida
Angophora subvelutina
Callistemon lanceolatus
Callistemon viminalis
Eucalyptus acmenoides
Eucalyptus agglomerata
Eucalyptus amplifolia
Eucalyptus andrewsii
Eucalyptus bancroftii
Eucalyptus baueriana
Eucalyptus baxteri
Eucalyptus blakelyi
Eucalyptus bridgesiana
Eucalyptus calophylla
Eucalyptus camaldulensis
Eucalyptus crebra
Eucalyptus cypellocarpa
Eucalyptus dealbata
Eucalyptus dwyeri
Eucalyptus eugenoides
Eucalyptus eximia
Eucalyptus ficifolia
Eucalyptus goniocalyx
Eucalyptus grandis
Eucalyptus gummifera
Eucalyptus haemastoma
Eucalyptus intermedia
Eucalyptus laevopinea
Eucalyptus longifolia
Eucalyptus maculata
Eucalyptus mannifera
Eucalyptus melanophloia
Eucalyptus melliodora
Eucalyptus moluccana
Eucalyptus muelleriana

Eucalyptus notabilis
Eucalyptus obliqua
Eucalyptus ovata
Eucalyptus paniculata
Eucalyptus parramattensis
Eucalyptus parvula
Eucalyptus pauciflora
Eucalyptus pilularis
Eucalyptus piperita
Eucalyptus polyanthemus
Eucalyptus prava
Eucalyptus propinqua
Eucalyptus punctata
Eucalyptus racemosa
Eucalyptus resinifera
Eucalyptus rossii
Eucalyptus saligna
Eucalyptus scoparia
Eucalyptus siderophloia
Eucalyptus sideroxylon
Eucalyptus sieberi
Eucalyptus sparsifolia
Eucalyptus squamosa
Eucalyptus tereticornis
Eucalyptus umbra
Eucalyptus viminalis
Eucalyptus wardii
Eucalyptus willisii
Kunzea ambigua
Kunzea ericoides
Leptospermum trinervium
Leptospermum laevigatum
Leptospermum polygalifolium
Melaleuca ericifolia
Melaleuca linariifolia
Melaleuca styphelioides

Platanaceae

Platanus orientalis *

Rosaceae

Crataegus monogyna *
Crataegus oxyacantha *
Photinia serrulata *
Prunus armeniaca *
Prunus avium *
Prunus domestica *
Prunus persica *
Pyrus communis *

Santalaceae

Exocarpos cupressiformis

Sterculiaceae

Brachychiton populneus

Ulmaceae

Ulmus procera *

Muellerina myrtifolia

24 4

Bignoniaceae

Pandorea jasminoides

Casuarinaceae

Allocasuarina littoralis

Euphorbiaceae*Croton phebalioides***Myrtaceae***Kunzea ericoides***Oleaceae***Notelaea* sp.**VISCACEAE*****Korthalsella breviarticulata* 8 4****Euphorbiaceae***Croton insularis***Rutaceae***Citrus aurantium* **Geijera salicifolia***Sapindaceae***Alectryon diversifolius****Korthalsella disticha* 4 1****Oleaceae***Nestegis ligustrina* ***Rutaceae***Citrus* sp. ****Korthalsella emersa* 8 3****Celastraceae***Elaeodendron curtispiculum***Lauraceae***Cryptocarya triplinervis***Oleaceae***Olea paniculata****Korthalsella grayi* 12 0****No recorded host species*****Korthalsella japonica* 20 8****Epacridaceae***Acrotriche baileyana***Grossulariaceae***Polyosma* sp.**Myrsinaceae***Rapanea porosa***Myrtaceae***Austromyrtus fragrantissima**Backhousia bancroftii**Eugenia* sp.*Rhodomyrtus sericea***Rutaceae***Acronychia chooreechillum**Geijera parviflora**Geijera salicifolia****Korthalsella leucothrix* 18 4****Mimosaceae***Acacia acuminata**Acacia aneura**Acacia crapedocarpa**Acacia ramulosa****Korthalsella papuana* 14 2****Lauraceae***Cinnamomum propinquum***Myrtaceae***Acmena* sp.*Eugenia* sp.*Syzygium oleosum****Korthalsella rubra* 122 22****Apocynaceae***Alyxia ruscifolia***Capparaceae***Capparis mitchellii***Celastraceae***Cassine australis**Elaeodendron* sp.**Ebenaceae***Diospyros ferrea***Elaeagnaceae***Elaeocarpus ferruginiflorus***Elaeocarpaceae***Sloanea australis***Epacridaceae***Trochocarpa laurina***Lauraceae***Cryptocarya triplinervis***Monimiaceae***Doryphora sassafras***Myoporaceae***Eremophila mitchellii***Myrtaceae***Acmena brachyandra**Acmena smithii**Archirhodomyrtus beckleri**Callistemon viminalis**Eugenia* sp.*Lophostemon laurina**Melaleuca ericifolia**Syzygium oleosum***Oleaceae***Notelaea microcarpa***Rosaceae***Prunus persica* ***Rutaceae***Geijera parviflora**Geijera salicifolia***Solanaceae***Lycium* sp.**Xanthophyllaceae***Xanthophyllum octandrum****Notothixos cornifolius* 105 8****Rutaceae***Zanthoxylum pinnatum***Sapindaceae***Jagera pseudorhus***Sterculiaceae***Argyrodendron peralatum**Argyrodendron trifoliolatum**Brachychiton diversifolius*

Sterculiaceae cont.

Brachychiton populneus
Francisodendron laurifolia
Heritiera trifoliolata

Notothixos incanus 60 12**Loranthaceae**

Amyema congener

Myrtaceae

Callistemon salignus
Callistemon viminalis
Melaleuca bracteata
Melaleuca decora
Melaleuca foliolosa
Melaleuca irbyana
Melaleuca linariifolia
Melaleuca quinquenervia
Melaleuca sieberi
Melaleuca stypelioides
Melaleuca viridiflora

Notothixos leiophyllus 49 8**Burseraceae**

Canarium australianum

Cunoniaceae

Pullea stutzeri

Meliaceae

Toona australis

Myrtaceae

Syzygium johnsonii

Rutaceae

Acronychia acidula
Acronychia acronychioides
Brombya platynema
Flindersia acuminata

Notothixos subaureus 237 35**Burseraceae**

Canarium australasicum

Casuarinaceae

Allocauarina littoralis
Casuarina cunninghamiana
Casuarina glauca

Lauraceae

Cryptocarya sp.
Litsea ferruginea
Litsea leefeana

Loranthaceae

Amyema bifurcata
Amyema cambagei
Amyema congener
Amyema linophylla
Amyema miquelii
Amyema pendula
Amyema queenslandica
Amylothea dictyophleba
Dendrophthoe curvata
Dendrophthoe falcata
Dendrophthoe glabrescens

Dendrophthoe vitellina
Lysiana casuarinae
Lysiana exocarpi
Muellerina celastroides
Muellerina eucalyptoides

Mimosaceae

Acacia sp.

Myrtaceae

Angophora subvelutina
Eucalyptus pilularis
Lophostemon suaveolens
Syncarpia sp.

Proteaceae

Grevillea robusta

Rutaceae

Acronychia acidula
Acronychia imperforata
Acronychia laevis
Acronychia littoralis
Acronychia vestita
Melicope elleryana

Sterculiaceae

Brachychiton populneus

Viscaceae

Notothixos incanus
Viscum articulatum

Viscum articulatum 201 28**Anacardidaceae**

Buchanania obovata

Casuarinaceae

Allocauarina littoralis
Casuarina cunninghamiana
Casuarina glauca

Chrysobalanaceae

Parinari nonda

Loranthaceae

Amyema bifurcata
Amyema cambagei
Amyema congener
Amyema miquelii
Amylothea dictyophleba
Decaisnina angustata
Decaisnina brittenii
Decaisnina signata
Dendrophthoe falcata
Dendrophthoe glabrescens
Dendrophthoe homoplastica
Dendrophthoe vitellina
Lysiana spathulata
Lysiana subfalcata

Mimosaceae

Acacia aulacocarpa

Myrtaceae

Angophora costata
Eucalyptus populnea
Eugenia sp.
Lophostemon confertus
Melaleuca sp.
Syzygium suborbiculare

Rutaceae*Citrus limon* ***Santalaceae***Exocarpos cupressiformis**Exocarpos latifolius***Viscaceae***Notothixos subaureus****Viscum bancroftii*** 7 1**Casuarinaceae***Casuarina* sp.**Loranthaceae***Amyema quandang****Viscum ovalifolium*** 21 4**Apocynaceae***Ichnocarpus frutescens***Euphorbiaceae***Croton amhemicus***Moraceae***Ficus* sp.**Tiliaceae***Grewia papuana***Ulmaceae***Celtis philippinensis* ****Viscum whitei*** 29 8**Anacardaceae***Buchanania obovata***Combretaceae***Terminalia canescens***Loranthaceae***Amyema bifurcata**Amyema sanguinea**Decaisnina brittenii**Dendrophthoe acacioides***Myrtaceae***Eucalyptus arenaria**Eucalyptus populnea*