



A journal of plant ecology for eastern Australia



ISSN 0727-9620 (print) • ISSN 2200-405X (Online)

### A conceptual model of the species composition of the original riparian rainforest of the Clarence River Floodplain, New South Wales

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*Abstract:* The riparian rainforest on the streamside levees of the coastal floodplain of the Clarence River on the North Coast of New South Wales was cleared during the 1860s by small landholders seeking fertile land. Only three small remnants remain. Using a combination of historical species lists, corner trees from surveyors' portion plans, habitat information and the NSW Scientific Committee's (1999) determination for lowland rainforest on floodplain a conceptual model of the original distribution of rainforest suballiances on the levees of the Clarence River coastal floodplain is proposed.

Cunninghamia (2014) 14: 153-178

doi:10.7751/cunninghamia.2014.14.008

### Introduction

Before European settlement the banks of the coastal floodplain of the Clarence River in northern New South Wales (lat. 29.5°S, long. 153.2°E) (Figure 1) were vegetated by a band of rainforest that was known colloquially as 'brush' (Hodgkinson 1845, Rose 2012). In 1839, The Deputy Surveyor-General, Captain Perry onboard one of the first vessels to enter the Clarence River noted that:

owing to the denseness of the brush on the banks, no part of the country could be seen from the deck of the vessel, but was completely screened by a mass of most luxuriant vegetation: the stems of gigantic trees, covered with climbing plants of various descriptions, and which fell down in graceful festoons from the upper branches, produced an effect observable only in a region fresh from the hand of nature (Lang 1847 p. 40)

J D Lang was seeking land for Scottish immigrants and Commissioner Fry reported to him that on the lower 20 miles (32 km) that:

the immediate borders of the stream being covered with a dense impervious brush (Lang 1847 p.52)

and that for the next 30 miles (48km) the land:

becomes more elevated, more open, and of infinitely better description ....., a belt of brush varying in width from one to four hundred yards (91–366m) fringing the stream all the way up (Lang 1847 p. 52)

The first Europeans to move into the Clarence Valley were cedar getters and graziers who mainly left the riparian rainforest undisturbed. The cedar getters only selectively removed the valuable red cedar from the rainforest; most of the easy to cut cedar exhausted by 1842 (Vader 1987 p.94). The impenetrable rainforest was of no use to the grazier (Lang 1847, Stubbs 1996 p. 124) but changes to the land laws (The Order in Council of 1847 followed by the Crown Lands Alienation Act 1861) enabled farmers to obtain smaller blocks (Stubbs 1996). The 'brush' forest blocks along the banks of the Clarence River were sought after due to their fertile soil. Due to its luxuriant nature the 'brush' was not possible to burn and it could only be cleared by cutting down the large trees with an axe. This was hard work and would take a week to clear an acre  $(4,000 \text{ m}^2)$ . Virtually none of the timber was sold, but merely allowed to dry for about a year and then burnt. In the meantime the settlers planted maize in between

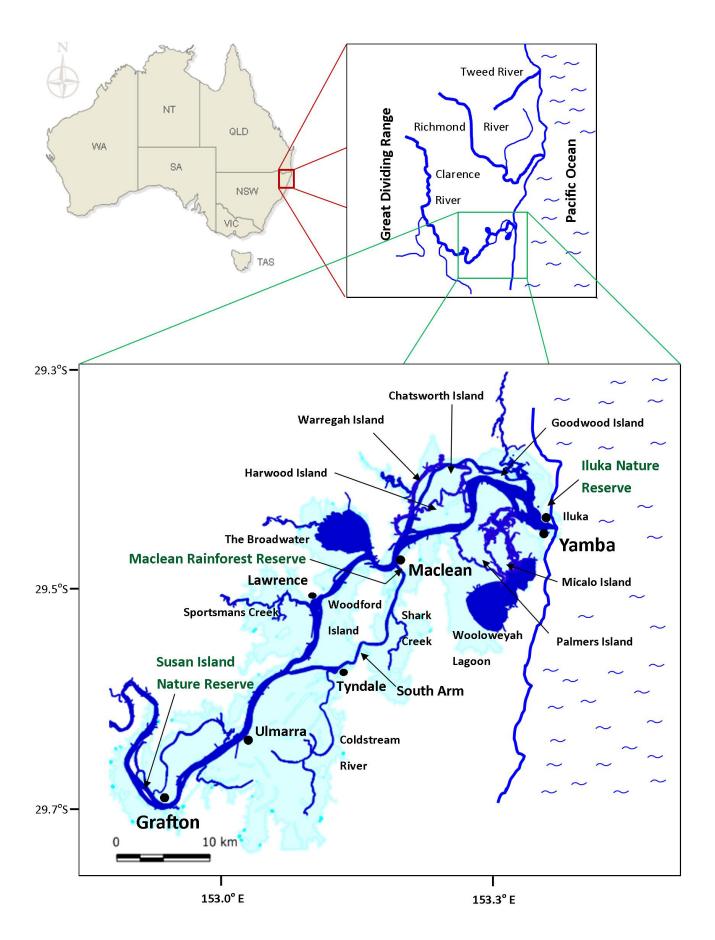


Figure 1. Map showing the location of the Clarence River floodplain (light blue), streams, islands, towns and remnant rainforest reserves.

the logs (McFarlane 1924). In this way the rainforest was rapidly cleared from the banks of the Clarence.

Charles Moore, Director of the Sydney Botanical Gardens visited the area in 1861 and found that:

Even the banks of the Clarence, which some six or eight years ago presented on both sides one continuous mass of this description of forest, varying in breadth from one hundred yards to almost half-a-mile has been already cleared for many miles – the fate which will soon overtake all the brush country available for cultivation, unless the government cause reserves to be made for the preservation of at least some portion of a class of trees which are both interesting and beautiful, even if not otherwise valuable (Moore 1861a).

By 1868 a reporter of the *Sydney Morning Herald* (16 December 1868 p. 5) found that:

The scrubs have wholly disappeared from the banks of the river and where once the vine clad trees rose up, wreathed with thick robes of foliage and tinted with bright flowers, there are now groups of farm buildings, lines of fencing, patches of garden, and green fields of waving corn.

Another reporter (*Sydney Morning Herald*, 10 August 1871 p. 2) noted that near the mouth:

The thick brushes which once grew here have been cut down on most of the islands, and given place to cultivation.

In his next article (*Sydney Morning Herald*, 14 August 1871 p. 2) he observes that:

The tourist may form some idea of the Clarence as it was when first discovered, in 1832, from the vegetation which still grows in rank luxuriance on some of the smaller islands – emerald gems in the glittering stream.

implying that the rest of the brushes (or riparian rainforest) had been totally cleared by that time.

The purpose of this paper is to present the available information of the now largely destroyed riparian rainforest in a manner that could be of use for anyone wishing to reestablish parts of this rainforest. For example Clarence Valley Council has an Environmental Trust grant for Clarence Estuary Riparian and Wetland Restoration and is actively engaged in riparian weed control, native plant establishment and livestock exclusion fencing. Clarence Landcare has a project for the collection of local native seed species and growing the plants/trees for specific projects (Wilson 2014a). A workshop of the Clarence Floodplain and Estuary Partnership agreed that riparian rehabilitation to be a priority activity for the partners (Wilson 2014b). This paper may help these agencies in their riparian restoration work to seek out species that were originally there and not only those that are currently in the riparian zone.

The starting point for this investigation was the NSW Scientific Committee's (1999) Determination for lowland rainforest on floodplain as an Endangered Ecological Community for the New South Wales North Coast Bioregion. This determination uses Floyd's (1990) classification for rainforests. Floyd (1990, v.2 microfiche) recorded the species found in the three remaining rainforest remnants (Susan Island Nature Reserve, Maclean Rainforest Reserve and Iluka Nature Reserve, Figure 1) on or near the Clarence floodplain. Historical surveyors' corner tree data and species lists from botanists, who visited the area prior to the clearing of the riparian rainforest, was another source for rainforest species found on the floodplain. Rich (1996) suggested that littoral rainforest may extend further inland along estuarine river systems, and as suballiance No. 16 is the main suballiance at the Iluka littoral rainforest reserve, this suballiance was also included in all of the assessments.

The available habitat and historical information was used to determine if any of the eleven suballiances in the Determination (NSW Scientific Committee 1999) could be excluded from being present on the Clarence floodplain and enabled the generation of a conceptual model of the distribution of rainforest suballiances across the riparian levees on the Clarence floodplain.

### Methods

Floyd (1990) used floristics or habitat characteristics to differentiate between rainforest suballiances with key characteristics based on soil type, location, altitude, rainfall etc. or a combination of habitat characteristics. Table 1 gives a simple scale created to subjectively assess the habitat of the Clarence floodplain to the habitat characteristics of the eleven suballiances (Floyd 1990) from the NSW Scientific Committees (1999) determination.

### Table 1. Criteria used in assessing the habitat fit of Floyd's suballiances to the riparian rainforest on the Clarence floodplain.

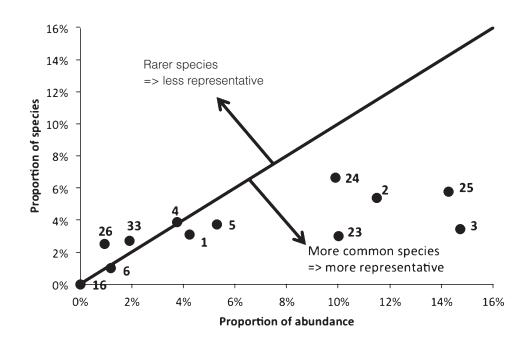
| Assessment criteria   | Habitat fit category |
|---|----------------------|
| Good fit - the habitat criterial for the suballiances aligns with the habitat of the floodplain - the main suballiances                               | 1                    |
| <i>Niches</i> – the habitat criterial for the suballiances aligns with small areas on the floodplain – present throughout in small areas.             | 2                    |
| Edges – the habitat criteria for the suballiances does not align with the main area of the floodplain, but it does for adjoining areas – transitional | 3                    |
| No fit – the habitat criterial for the suballiances do not fit with the floodplain or its adjoining areas.  | 4                    |

| Ab | undance rating | Basis for abundance rating  | Numerical rating |
|----|----------------|-----------------------------|------------------|
| VC | Very common    | Top 1–6 most common species | 10               |
| С  | Common         | More than 5 individuals     | 6                |
| 0  | Occasional     | 2 to about 5 individuals    | 3                |
| R  | Rare           | 1 only seen                 | 1                |

### Table 2. Numerical ratings applied to Floyd's (1990 v. 1 p. 23) abundance ratings

**Table 3 Worked example of the process of plotting abundance Vs number of species.** The value for *Ficus macrophylla* for Suballiance 1 is generated from it being present in two of four sites (data not shown) with abundance values of 3 (Occasional) and 6 (Common) to give a rounded down abundance value of 2.2 (sum of 9 divided by 4 = 2.25). This process was repeated for all the other suballiances of interest and also for another four species. The highlighted values are those that are plotted in Figure 2.

|  |      |       |       |      | ]    | Floyd's | suballi | ances |      |       |      |      |
|--|------|-------|-------|------|------|---------|---------|-------|------|-------|------|------|
| Species  | 1    | 2     | 3     | 4    | 5    | 6       | 16      | 23    | 24   | 25    | 26   | 33   |
| Ficus macrophylla                                      | 2.2  | 5.0   | 8.4   | 1.0  | 0.7  |         |         | 2.6   | 1.4  |       |      | 0.2  |
| Dendrocnide excelsa                                    | 3.8  | 5.0   | 6.0   | 1.3  | 1.8  |         |         | 3.0   | 2.0  |       |      | 1.6  |
| Streblus brunonianus                                   | 1.0  | 5.0   | 5.6   |      | 1.5  |         |         | 9.2   | 3.3  | 8.7   | 0.2  | 0.2  |
| Malotus philippensis                                   | 1.5  | 1.5   | 4.4   | 2.0  | 1.5  |         |         | 6.0   | 4.0  | 5.3   |      | 0.6  |
| Cryptocarya obovata                                    | 1.0  | 6.0   | 4.0   | 1.7  | 2.8  | 1.0     |         | 0.6   | 2.3  | 4.0   | 0.8  | 1.4  |
| Sum of average abundance values                        | 9.5  | 22.5  | 28.4  | 6.0  | 8.3  | 1.0     |         | 21.4  | 13.0 | 18.0  | 1.0  | 4.0  |
| Total abundance value                                  | 225  | 196   | 193   | 160  | 156  | 86      | 193     | 214   | 132  | 126   | 107  | 213  |
| Percentage of example list of the total abundance      | 4.2% | 11.5% | 14.7% | 3.8% | 5.3% | 1.2%    | 0.0%    | 10.0% | 9.8% | 14.3% | 0.9% | 1.9% |
| No. of species (max. 5)                                | 5    | 5     | 5     | 4    | 5    | 1       | 0       | 5     | 5    | 3     | 2    | 5    |
| Total No. of species                                   | 161  | 93    | 146   | 103  | 134  | 99      | 95      | 166   | 75   | 52    | 80   | 184  |
| Percentage of example list of the total no. of species | 3.1% | 5.4%  | 3.4%  | 3.9% | 3.7% | 1.0%    | 0.0%    | 3.0%  | 6.7% | 5.8%  | 2.5% | 2.7% |



**Figure 2** Worked example of plotting abundance Vs number of species. The graph has separated the suballiances into two groups. In the more representative group, only four of the seven suballiances where all five species were represented made it into this group. In suballiance 25, only 3 species were present, but due to them being very common, this suballiance has also made it into the more representative group. Using the proportion of numbers and abundance provides an extra dimension in trying to complete this historical jigsaw puzzle. Suballiances that are above the line will tend to be less representative, as the species that are present are less common. In contrast, those suballiances that are very abundant will tend to be placed below the dividing line, as their higher abundance values will push them to the right on the graph.

A species list was created from the original surveyors' corner tree data and species lists from botanists who visited the region prior to the clearing of the rainforest and will be referred to as the historical species list (Appendix 1).

The historical species list was compared to the species list in each of Floyd's (1990) suballiances to extract the number of species represented, and to generate an abundance rating. Floyd (1990) has provided a species list for each of his suballiances with an associated abundance rating from 2–5 representative sites. This abundance rating was converted to numerical values to reflect the relative weighting of the original rating (Table 2). It is a simple progressive scale with the interval between groups increasing by one and it aims to provide weight to the important species without completely ignoring the others. A linear scale (1, 2, 3, 4) was used initially but it was considered that it did not put enough emphasis on the very common species and too much emphasis on rare species.

The abundance values for each species were averaged to give an average abundance for that species in that suballiance. The average abundance values were then summed for the historical species that were present in each of the suballiances. The proportion of the sum of the abundance values for the historical species to the total of the abundance value for each suballiance was plotted against the proportion of the number of species from the historical list to the total number of species in the suballiance. This process is explained in a simplified example (Table 3, Figure 2).

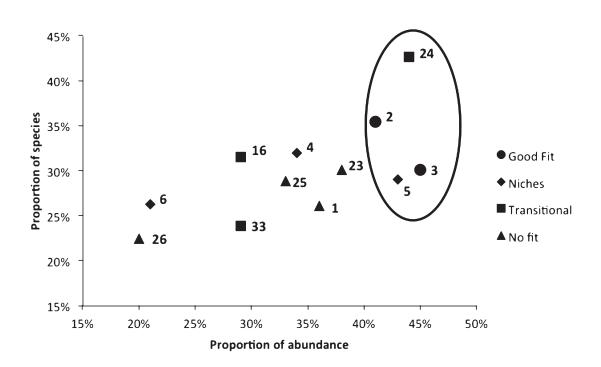
### Results

Two botanists' visited the region prior to the complete loss of the riparian rainforest, Charles Moore and William Carron.

Charles Moore (1861a, b, 1867), Director of the Sydney Botanic Gardens, collected many rainforest specimens on his visit to the Clarence in 1861, with 28 named in two separate newspaper articles. It is also recorded that he published *A catalogue of Northern Timbers*, which he later revised several times (King 1974). The Botanic Gardens Library (part of the National Herbarium of New South Wales) was not able to locate a copy of this Catalogue, but had a copy of his catalogue of *Woods indigenous to the Northern district of the colony* from the *London International Exhibition, 1862*. This catalogue had 116 timber specimens from the Clarence and Richmond districts, with 75 of these from the Clarence, some without species names.

William Carron (1872a, b), a collector for the Sydney Botanic Gardens was sent to the Northern Rivers to seek out possible sites for timber reserves. Only one rainforest timber reserve, located 6–7 miles (10–11 km) north of Grafton, with 20 tree species was nominated.

A list of 77 species (the historical species list, Appendix 1) was compiled from botanists' data combined with the surveyors' corner tree data. Though the corner tree data was only recorded as common names, it was possible to suggest a scientific name with the aid of a list of 78 species from the adjacent Richmond River region



**Figure 3.** The proportion of species from the historical list in each of Floyd's (1990) suballiances (Table 4 for names) plotted against the proportion of the average abundance of that species in the suballiance with the subjective habitat rating displayed as various point shapes. The suballiances within the circle are those more likely to have been present on the Clarence floodplain.

#### Table 3. Possible explanations as to why these species were not represented in the 12 suballiances of interest.

### No. of Reason species

2

- 3 Only the genus was nominated
- 1 *Callerya megasperma* A vine only tree data has been captured in this project.
- 3 **Doubles** two species names eventually converged to one species.
- 3 These may be incorrectly named:

Acacia trinervata: Restricted to western Sydney and adjacent lower Blue Mountains (Flora of Australia v. 11B 2001 p. 45) and therefore may be incorrectly named.

*Epicarpurus orientalis:* The common name of Elm and the description suggest the name *Aphananthe philippinensis* may be more correct.

Owenia venosa: The common name of Tulipwood and the description suggest the name Harpullia pendula may be more correct.

#### 4 These species were not listed in the 12 suballiances of interest due to incorrect habitat:

*Acacia binervata:* In more or less abundance all along the coast; a handsome, small sized tree. Timber hard, and occasionally used for carpenters' tools. MALLA WAUNDIE. Clarence and Richmond brush forests (Moore 1861b).

*Denhamia pittosporoides:* In dry rainforest and vine thicket on basaltic or basaltically enriched soil (Floyd 2008). A tree of moderate size; timber not used. Clarence brush forests (Moore 1861b).

*Erythrina vespertilio:* Dry and semi-dry rainforests and also in adjoining open forest country (Floyd 2008). On open forest land bordering on the thick brush forests (Moore 1861b).

*Geijera salicifolia:* In dry rainforest on steep dry stony slopes and sides of gorges. On skeletal soils derived from slates (Floyd 2008). Brush forests, generally in the Northern districts (Moore 1861b).

#### 1 This species may have been totally lost to NSW:

*Cupaniopsis serrata:* Not recorded with certainty in NSW. (Floyd 2008). A very ornamental tree of small size, plentiful in the brushes. Timber not used. GULWIN GULWIN. Richmond and Clarence (Moore 1861b).

Unknowns - The following species were unable to be located in the Australian Plant Name Index:

*Nephelium lanuginosum: Sapindaceae.* A fine tree, attaining a height of 80 feet and 3 feet in diameter. Timber occasionally used for building purposes. UROOBIE. Clarence and Richmond brush forests, plentiful (Moore 1861b).

*Nephelium lucidum:* Julip wood. This tree is very generally known wherever it grows, both on account of the beauty of its heart wood, and its excellence for firewood; for this latter purpose it is preferred about Grafton, where it is abundant, to almost any other. The tree grows to a large size, but it is seldom that the stem is solid, being generally decayed near the heart. The wood is exceedingly strong, and richly coloured with different shades, from black to yellow, will take a high polish, and in a good specimen is very beautiful. This has been occasionally employed in Sydney for cabinet work, but it does not appear to have received that attention that it deserves. (Moore 1861a, p.3)

(Clarence and Richmond Examiner and New England Advertiser, 1 April, 1873, Appendix 5). The likely current scientific and common names were determined using the Australian Plant Name Index (www.cpbr.gov. au/apni/) cross referenced with Floyd (2008). Of the 77 species in the complete list 60 were represented in the 12 suballiances that were deemed to be of interest (Appendix 2). An attempt has been made to ascertain why the other 17 species were not represented (Table 3).

The 12 suballiances were subjectively assessed for habitat fit (Table 4). The proportion of the sum of the average abundance values (Appendix 3) for each suballiance was plotted against the proportion of the number of species in each suballiance (Figure 3). In addition, the habitat fit rating of each suballiance was noted on the graph by different shape points. The resulting graph provided some insight on the fit of the 12 suballiances to the Clarence floodplain (Figure 3).

### Discussion

The main criteria used to determine the possible distribution of Floyd's rainforest suballiances across the Clarence floodplain was a subjective assessment of the fit of the habitat characteristics of each suballiance to the habitat of the Clarence floodplain. To provide supporting evidence a methodology has been created that utilises a historical species list in a "what if" scenario. If the historical species list had been collected in a particular suballiance, then a particular proportion of the number of species and their abundance would have resulted. These values would vary for each suballiance along both axes, providing an extra dimension of the fit of each suballiance to the Clarence floodplain. There are many reasons why this methodology is not particularly robust, however, in much the same way that a palaeontologist will suggest how an animal may look, from a few bones, it is an attempt to use the available historical data to provide some insight into species distribution in rainforests that were cut down in the 1860s (Stubbs 1996, Rose 2012).

Table 4. Habitat descriptions of the suballiances nominated by the New South Wales Scientific Committee as being associated with the community lowland rainforest of New South Wales North Coast bioregion. In addition, the littoral suballiance No. 16 has been included. These have been ranked for habitat fit (Table 1) to the Clarence floodplain with qualifying remarks.

| Suballiance | <b>Comments</b><br>(1 <sup>st</sup> line – Suballiance name, 1st paragraph – comments from Floyd<br>1990 v.2; 2nd paragraph – qualifying remarks for the Clarence floodplain)   | Habitat fit categ. |
|-------------|---|--------------------|
| 1           | <i>Heritiera trifoliolatum</i><br>Lowland krasnozem. North from Bellinger River. Less flood prone than No.3.<br>Krasnozem soils are not present on the Clarence floodplain.   | 4                  |
| 2           | <i>Toona – Flindersia</i> <b>spp.</b><br>Lowland alluvium. Well drained sites on the fertile alluvial flats, which were initially logged and now farmed. May suffer from seasonal moisture stress.<br>Good fit for the Clarence floodplain as it has a low rainfall period during spring.   | 1                  |
| 3           | <i>Cryptocarya obovata – Dendrocnide excels – Ficus spp – Araucaria</i><br>Floodplain alluvium. The major sub-alliance on the well-drained, fertile, basaltically-enriched alluvial lowland floodplains north from the Manning River, the majority now under agriculture.<br>Good fit for the Clarence.   | 1                  |
| 4           | <i>Elaeocarpus grandis</i><br>Streambank alluvium. Exists as a lowland riverine fringing community within a more extensive community eg No 5, 6 or 33. The stream bank location is due to the large fruit (up to 30mm diameter), which is dispersed by water and not by birds in New South Wales.<br>This could have been a niche community along the banks of the Clarence.  | 2                  |
| 5           | <i>Castanospermum – Dysoxylum mollissimum</i><br>Moist, alluvial flats and benches. A reliable soil moisture level appears to be a major requirement. Often<br>derived from weathering of lowland plateaux.<br>This suballiance can occur where hills merge with the floodplain without a backswamp in between e.g. at<br>Maclean, Woodford Island, Ashby and Tyndale.  | 2                  |
| 6           | <ul> <li>Archontophoenix – Livistona</li> <li>Excess soil moisture. Also known as palm forests. Drainage is impeded and there is free surface water during the wet season. Soil type is not critical.</li> <li>No palm forests are indicated on the portion plans, only 'tall ferns'. However, it could be a transition community to the backswamps in some locations.</li> </ul>   | 2                  |
| 16          | <i>Syzygium luehmannii – Acmena hemilampra</i><br>Well developed littoral rainforest on deep sand.<br>Rich (1996) has suggested that this suballiance can extend further up the rivers away from the true littoral<br>zone and thus there could have been a transition from this to the main suballiances close to the mouth of the<br>river.   | 3                  |
| 23          | <i>Ficus</i> spp – <i>Streblus</i> – <i>Dendrocnide</i> – <i>Cassine</i><br>Central and South coasts on krasnozem at moderate low altitude. To the south of the Bellinger Valley. It<br>occupies dry rocky slopes, ravines and headlands on fertile but often shallow soils. It does not occupy a<br>streamside niche.<br>Wrong location and soil type.   | 4                  |
| 24          | <i>Castanospermum – Grevillea robusta</i><br>Gallery rainforest along streams on basaltic alluvium in minimal rainfall areas (950–1100mm). Mainly in<br>the upper Clarence and Richmond valleys. A drier phase of the suballiance No. 5.<br>The annual rainfall on the floodplain is too high for this suballiance to be a major component of the<br>floodplain. However, it fits with the upper end of the floodplain around Grafton as a transition to the main<br>suballiances.                              | 3                  |
| 25          | <i>Streblus – Austromytus</i><br>Streambank basaltic alluvium with high rainfall. Richmond River.<br>Wrong location.  | 4                  |
| 26          | Waterhousea floribunda/Tristaniopsis laurina<br>Southern Extension of No. 24 on less fertile alluvium.<br>Wrong location.   | 4                  |
| 33          | Ceratopetalum/Schizomeria – Argyrodendron/Sloanea<br>Warm temperate/subtropical rainforest on alluvium or enriched yellow earth. Sloanea above 650m altitude.<br>A transition suballiance between the subtropical and warm temperate rainforests often in gullies.<br>The floodplain environment on the Clarence of levees transitioning to backplains does not seem to fit this<br>suballiance. Some small areas may be present as per the comments for No 5, in gullies that merge onto<br>alluvial terraces. | 3                  |

Assessing habitat characteristics of the eleven rainforest suballiances nominated by the New South Wales Scientific Committee as possibly being present prior to European settlement on the Clarence floodplain, enabled four to be eliminated. Of the remaining suballiances it is suggested that three were present in niche environments, two plus a littoral rainforest suballiance occupied transitional environments and two were the main suballiances. The habitat ranking process for the suballiances was supported to some extent by the abundance and species number data generated from Floyd's (1990, v.2 microfiche) species lists when cross referenced with the historical species list (Appendix 1, Figure 3).

Suballiance No. 23 rated almost as high as the suballiances suggested for the Clarence floodplain (Figure 3), even though it is only present on the NSW Central and South Coasts. This could be due to either of two reasons: Option 1) Floyd (1990, v.1 p. 36) noted that in prior times that the region to the north of the Clarence was drier and seemed to be a major barrier to the north-south movement of some rainforest species. The concept of a species barrier was supported by Rich (1996) who grouped 33 littoral rainforest remnants from all of NSW into 3 groups using PATN analysis. The Iluka littoral rainforest near the mouth of the Clarence River was the northern most representative of the southern group, providing additional evidence of the Clarence as a boundary for some rainforest species. If the rainforest species on the floodplain followed the trend of the littoral rainforest species by having a stronger affinity with the southern rainforest groups, this could explain why the southern suballiance No. 23 rated so highly in Figure 3. Option 2) The second reason could be that those who contributed to the historical species list may have been more familiar with the rainforest species closer to home (Sydney), and so they were more familiar with the species from suballiance No. 23. The contrary

argument to this option is the position of suballiance No. 23 in Figure 3, where it lies more to the right on the graph indicating that it is fairly well represented (Figure 3). If this option were true, it would be expected that the species would be less abundant and therefore placed further to the left in Figure 3.

Initial work with this concept using a smaller species list and plotting absolute numbers instead of proportions gave a poor rating for suballiance No. 25, which is described as being from the Richmond River (the next river valley to the north of the Clarence)(Rose 2012). This provided further evidence to support Option 1) above, however, with the revised methodology this is no longer as clear cut. Suballiance No. 25 is a dry rainforest type with a high rainfall, and as the lower Clarence floodplain has a relatively dry spring (Rose 2012, p. 24), it was expected that this suballiance would have a fit on the Clarence and perhaps it did. However, this is not a strong link and it can be argued that the data presented in Figure 3 could support the idea that at some time in the past the region directly to the north of the Clarence was a barrier for the north-south movement of rainforest species.

Floyd (1990, v.1 p 23) in setting up his classification of New South Wales Rainforests comments that:

It must be kept in mind at all times that the subformations, alliances and particularly the suballiances are merely nodes or fairly frequent clusters of species along a continuous graduation. Some areas will fall somewhere between two nodes or suballiances.

Keeping these comments in mind a conceptual model of the possible distribution of suballiances throughout the Clarence floodplain is proposed with the boundaries in the diagram acting as transition zones (Figure 4). In this model suballiance No. 4 occupies sections directly on the

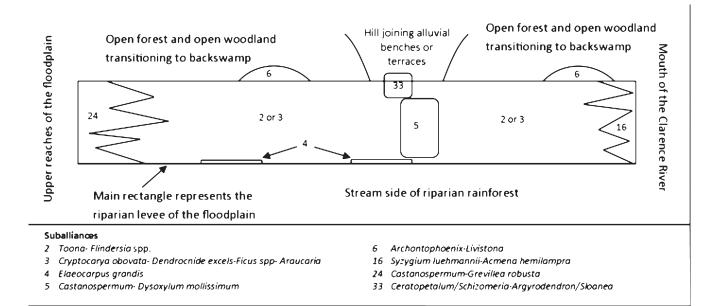


Figure 4. Proposed conceptual model of the occurrence and arrangement of the various rainforest suballiances on the Clarence floodplain.

riverbank, transitioning to the two major and one niche suballiance that occupy the bulk of the alluvial streamside levees. The two major suballiances are No. 2 and No. 3. Floyd indicates that suballiance No. 2 may suffer from seasonal moisture stress, which is a characteristic of the Clarence floodplain during spring. A climate and geomorphological (e.g. bank height, Rose 2012) gradient does exist along the Clarence floodplain and some species differentiation would be expected as a consequence. The corner trees from the portion plans provided some data on species distribution; however, only two rainforest species had more than four representatives, making any subregional suballiance delineation highly speculative.

Apart from Carron's Grafton brush species list (Appendix I), the only species location comments in the historical record refer to the Hoop pine, *Araucaria cunninghamii*, in the lower river:

(i) Hodgkinson (1845 p. 97) notes that: *The brushes* near the mouth of the Clarence are interspersed with the beautiful variety of pine I have already described...

(ii) Perry investigating a northern branch off the main river not far from the mouth (perhaps around Chatsworth Island via Middle Channel) found ... some nooks presenting pine brushes. The height of the pine trees, at the full growth, is about ninety feet, and they are as straight as an arrow. (Lang 1847, p. 45)

(iii) Pines were used as corner trees in four instances, all from Warregah Island. The only instance where pines were specifically referred to on portion plans was as a pine forest near the current day Maclean golf course (northern end of Woodford Island), which is upstream from where the above comments were made.

Floyd's (1990, v.2 microfiche) species lists indicate that *Araucaria cunninghamii* is present in suballiance No. 3 but not in suballiance No. 2, providing some support that at least on the lower floodplain that suballiance No. 3 may have been more dominant than suballiance No. 2.

Floyd commented that the rainforest on Susan Island, located at the upper reaches of the floodplain, contains four emergent species typical of dry rainforest. As a consequence, the conceptual model includes a zone of transition at the upper end of the floodplain from the two major suballiances No. 2 and No. 3 into the dry rainforest suballiance No. 24. This suballiance is present in the upper reaches of the Clarence River and plausibly could have transitioned into the floodplain. Suballiance No. 24 rates very highly in Figure 3 and sits on the midline between less and more representative. This indicates that a lot of the less abundant species from this suballiance were known to those, who contributed to the historical species list. Most of these people would have been based in Grafton during their visit to the region and it is plausible that their knowledge of the rainforest species closer to Grafton would have been better than those further away. However, as Suballiance 24 does not sit further to the right in Figure 3, it is fair to place it as a transitional suballiance on the Clarence floodplain.

At the mouth of the Clarence a zone of transition to the littoral rainforest suballiance No. 16 is included. Rich (1996) has suggested that littoral rainforest can be found inland as far as 3.1km and further inland along estuarine rivers (e.g. Stotts Island on the Tweed River is 15 km upstream and 8 km inland). The analysis of the historical data rates suballiance No. 16 on the midline between less and more representative, which is indicative of a transitional suballiance – the species are present to some extent, but as they are not fully suited, are not all that abundant.

The niche suballiance present in the main body of the riparian rainforest is suballiance No. 5, which is present on alluvial flats or benches that have been created by the weathering of an adjacent hill or plateau. A number of situations exist on the floodplain where the geomorphology is stream-bench-hill, without a backswamp in between e.g. near Maclean High School, where a remnant of this suballiance used to exist until destroyed by flying

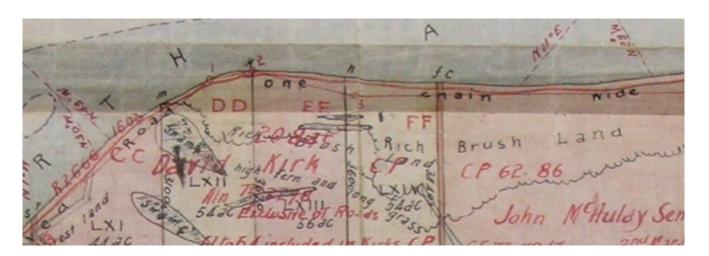


Figure 5 Portion plan of the northern part of Chatsworth Island showing a reference to 'high fern and long grass'. Surveyed 1862. (Department of Lands, Grafton, C62)

foxes (Silver 2010). It is possible that this suballiance transitioned into the warm rainforest suballiance No. 33 from the bench into gullies in the adjacent hill. It has been included as such in the conceptual model.

Floyd (1990 v.2 p. 23) notes that there are two examples of suballiance No. 6 in the lower Clarence region, with one on the floodplain. An early newspaper article about Susan Island records among other plants that Bangalow palms (Archontophoenix cunninghamiana) are present (Clarence and Richmond Examiner and New England Advertiser, 20 January, 1880, p. 3). As expected this suballiance rates poorly in the historical data analysis (Figure 3) as only a few species have high abundance ratings (Appendix 4). From a habitat point of view suballiance No. 6 fits as a transition suballiance from the main body of the riparian rainforest to the backswamps. As noted previously, both Hodgkinson and Perry commented on the abundance of pines on the lower river. Hoop pines (Araucaria cunninghamii) were observed at Stotts Island (Tweed River, northern New South Wales) within one of the largest examples of suballiance No. 6, where they are present on slightly higher areas in amongst the palm trees (Floyd, 1990, v. 2 p. 22). There were no references to palm forests on the 1860s portion plans. There were, however, many references to 'high fern' (e.g. Figure 5) in the areas where this suballiance may have been expected to be present but no documentation was found to confirm its identity (possibly Bracken Pteridium esculentum, Ed.).

As an aid to those using the suballiance conceptual model (Figure 4), the 45 most abundant species in Floyds (1990) species list from each suballiance as determined by the ranking system used in Table 1 is given in Appendix 4.

A total of 17 species from the historical list were not present in the 12 suballiances of interest. Most of these species were collected by Moore in 1861, at a time when there were still substantial areas of rainforest on the floodplain. A reason for their absence could be found for most of the species, however, two species were not able to be located in the Australian Plant Name Index and one (Cupaniopsis serrata) may have been totally lost to New South Wales. The presence of these species in the historical list indicate that the remaining rainforest remnants do not necessarily fully represent what was originally there. This is quite plausible, as the remnants are in locations that are not typical of the habitat of the majority of the original riparian rainforest. The conceptual model (Figure 4) cannot be classified as a complete solution, but based on the currently available evidence, as presented in this paper, it may be a fair representation of what may have been there.

### Conclusion

We may never know the true species composition of the original riparian rainforest of the Clarence floodplain, but this paper has attempted to use the available information to generate a concept of what may have been there. Models do not always generate the correct answer. They do, however, provide a framework that promotes discussion and the basis for the construction of alternatives.

### Acknowledgements

The guidance of Alison Specht, Michael Whelan and Brett Stubbs was greatly appreciated. Thanks to Miguel Garcia for tracking down Moore's list of rainforest species from the northern districts.

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Manuscript accepted 25 November 2014

### Appendix 1. Historical species list – Brush (rainforest) species from the Clarence floodplain as recorded in the mid-19th century

|   | D       | escribed<br>by |           |   | Common name          | S  | Likely current names from the Australian Plant<br>Name Index |                          |  |  |
|---|---------|----------------|-----------|---|----------------------|--|--|--------------------------|--|--|
| Scientific name<br>(at time of description)     | . Moore | Carron         | Surveyors | Moore (1861)                            | Carron (1871)        | Surveyors<br>(Wilson:<br>1841–42,<br>others:<br>1857–1870) | Scientific name  | Common name              |  |  |
| Acacia cunninghamii                             | ∼.      | 0              | Ø         | Bastard Myall                           |                      |  | Acacia trinervata  | Three-veined wattle      |  |  |
| Acacia umbrosa                                  | •       |                |           | Malla waundie                           |                      |  | Acacia binervata   | Two-veined hickory       |  |  |
| Achras australis                                | •       |                |           | Native plum or<br>iron wood             |                      |  | Pouteria australis   | Black apple              |  |  |
| Acmena spp                                      | •       |                |           | Hickory or lignur vitae                 | n                    |  | Myrtaceae  |                          |  |  |
| Acronychia hillii                               | •       |                |           |   |                      |  | Sarcomelicope simplicifolia<br>subsp. simplicifolia          | Yellowwood               |  |  |
| Ailantus spp.                                   | •       |                |           | Agundi-gundie                           |                      |  | Ailanthus triphysa   | White bean               |  |  |
| Alphitonia excellea                             | •       | •              |           | Mountain ash                            | red ash              |  | Alphitonia excelsa   | Red ash                  |  |  |
| Araucaria cunninghamii                          | •       | •              | •         | Pine                                    | Morton Bay pine      | Pine   | Araucaria cunninghamii                                       | Hoop pine                |  |  |
| Atherosperma micranthum<br>Daphnandra micrantha | •       |                |           | Tdun-dambie                             | light yellow<br>wood |  | Daphnandra micrantha   | Manning River socketwood |  |  |
| Baloghia lucida                                 | •       |                |           | Nun nala                                |                      |  | Baloghia inophylla   | Brush bloodwood          |  |  |
| Brachychiton luridum                            | •       |                |           | sycamore                                |                      |  | Brachychiton discolor  | Brush kurrajong          |  |  |
| Busbeckia arborea                               | •       |                |           | Tree Caper                              |                      |  | Capparis arborea   | Brush caper berry        |  |  |
| Cargillia pentamera                             | •       | •              |           | black myrtle                            | black-myrtle         |  | Diospyros pentamera  | Grey persimmon           |  |  |
| Castanospermum australe                         | •       | •              | •         | Moreton Bay<br>Chestnut or bean<br>tree | bean-tree            | Bean   | Castanospermum australe                                      | Black bean               |  |  |
| Cedreia toona                                   | •       | •              | •         | Cedar                                   | red cedar            | Cedar  | Toona ciliata  | Red cedar                |  |  |
| Celtis opaca                                    | •       |                |           |   |                      |  | Celtis paniculata  | Native hackberry         |  |  |
| Commersonia spp.                                | •       |                |           | Brown Kurrajong                         | <b>7</b>             |  | Commersonia bartramia  | Brown kurrajong          |  |  |
| Cryptocarya glaucescens                         | •       |                |           | White sycamore                          |                      |  | Cryptocarya glaucescens                                      | Silver sycamore          |  |  |
| Cryptocarya obovata                             | •       |                |           |   |                      |  |  |                          |  |  |
| Tetranthera ferruginea                          | •       |                |           | ugaulbie                                |                      |  | Cryptocarya obovata  | Pepperberry              |  |  |
| Cupania anacardioides                           | •       |                |           |   |                      |  | Cupaniopsis anacardioides                                    | Tuckeroo                 |  |  |
| Cupania australis                               | •       |                |           | Native tamarind                         |                      |  | Diploglottis australis                                       | Native tamarind          |  |  |
| Diploglottis cunninghamii                       | •       |                |           |   |                      |  |  |                          |  |  |

| Described<br>by                             |       |        |           | Common name                      | es            | m the Australian Plant                                     |   |                            |
|---|-------|--------|-----------|----------------------------------|---------------|--|---|----------------------------|
| Scientific name<br>(at time of description) | Moore | Carron | Surveyors | Moore (1861)                     | Carron (1871) | Surveyors<br>(Wilson:<br>1841–42,<br>others:<br>1857–1870) | Scientific name                           | Common name                |
| Cupania pseud-orchis                        | ∼.    | 0      | S         | Iccaaya                          |               |  | Jagera pseudorhus                         | Foambark Tree              |
| Cupania semiglauca                          | •     | •      |           |                                  |               |  | Guioa semiglauca                          | Wild quince                |
| Cupania serrata                             | •     |        |           | Gulwin gulwin                    |               |  | Cupaniopsis serrata                       | Smooth tuckeroo            |
| Cupania xylocarpa                           | •     |        |           | wootarie                         |               |  | Elattostachys xylocarpa                   | White tamarind             |
| Diospyros spp.                              | •     |        |           |                                  |               |  | Diospyros spp                             |                            |
| Denhamia pittosporoides                     | •     |        |           |                                  |               |  | Denhamia pittosporoides                   | Orange boxwood             |
| Duboisia myoporoides                        | •     |        | •         | Corkwood                         |               | Cork   | Duboisia myoporoides                      | Cork                       |
| Dysoxylon fraserianum                       | •     | •      | •         |                                  | rosewood      | Rosewood   | Dysoxylum fraserianum                     | Rosewood, Rose<br>mahogany |
| Dysoxylon muelleri                          | •     |        |           | Pencil cedar or<br>turnip wood   |               |  | Dysoxylum mollissimum                     | Miva mahogany              |
| Echinocarpus australis                      | •     |        |           | -                                |               |  | Sloanea australis                         | Blush alder                |
| Endiandra virens                            | •     |        |           | Bat & Ball, Nativ<br>pomegranate | /e            |  | Endiandra virens                          | White apple                |
| Epicarpurus orientalis                      | •     |        |           | Elm                              |               |  | Epicarpurus orientalis                    |                            |
| Erythrina vespertilionis                    | •     |        |           |                                  |               |  | Erythrina vespertilio                     | Grey corkwood              |
| Eugenia ventenatii                          | •     |        |           | Large-leafed<br>water gum        |               |  | Syzygium floribundum                      | Weeping satinash           |
| Euodia erythrococca                         | •     |        |           | Water gam                        |               |  | Dinosperma erythrococcum                  | n Tingle-tongue            |
| Ficus aspera                                | •     |        |           | Small leafed fig                 |               |  | Ficus obliqua                             | Small leaved fig           |
| Ficus macrophylla                           | •     |        | •         | Large leaved fig                 |               | Fig  | Ficus macrophylla                         | Moreton Bay fig            |
| Flindersia australis                        | •     |        |           | Ash, beech                       |               | Ash  | Flindersia australis                      | Crows ash                  |
| 1 indersia dastraits                        |       |        | •         | Asii, beech                      |               | Whitewood  | Flindersia schottiana                     | Crows usi                  |
| Geijera salicifolia                         | •     |        |           | Balsam Capivi<br>tree            |               |  | Geijera salicifolia                       | Green satinheart           |
| Geissois benthamii                          | •     |        |           |                                  |               |  | Geissois benthamii                        | Brush mahogany             |
|   |       |        | •         |                                  |               | Beech  | Gmelina leichhardtii                      | White beech                |
| Grevillea robusta                           | •     | •      |           |                                  | silky-oak     |  | Grevillea robusta                         | Southern silky oak         |
| Harpullia pendula                           | •     | •      | •         |                                  | tulip-wood    | Tulip  | Harpullia pendula                         | Tulipwood                  |
| Hartighsia rufa                             | •     |        |           | Woggi-amabbie                    |               |  | Dysoxylum rufum                           | Rusty mahogany             |
| Hodgkinsonia ovatiflora                     | •     |        |           | larribie                         |               |  | Hodgkinsonia ovatiflora                   | Golden ash                 |
| Jambosa australis                           | •     |        |           | Cherry of the<br>Clarence        |               |  | Syzygium australe                         | Brush cherry               |
| Lophostemon australis                       | •     |        |           |                                  |               |  | Lophostemon confertus                     | Brush box                  |
| Mooria<br>campylosperma.                    | •     |        |           | Urra wymbie                      |               |  | Citronella moori                          | Soapy box                  |
| Morus brunoniana<br>Myrtus acmenoides       | •     | •      | •         | lagaulbie<br>White myrtle        | hickory       | Hickory  | Streblus brunonianus<br>Gossia acmenoides | Whalebone tree<br>Ironwood |
| Myrtus melastom?e                           | •     |        |           |                                  |               |  | Rhodamnia rubescens                       | Brush turpentine           |
| Nephelium lanuginosum                       | •     |        |           | uroobie                          |               |  |   |                            |
| Nephelium leiocarpum                        |       | •      |           |                                  |               |  | Alectryon subcinereus                     | Wild quince, bird's eye    |
| Nephelium lucidum                           | •     |        |           | Julip wood                       |               |  |   | Notice alive               |
| Olea paniculata<br>Owenia venosa            | •     | •      |           | marblewood<br>Tulip wood         | marble-wood   |  | Olea paniculata<br>Owenia venosa          | Native olive<br>Tulipwood  |
| Panax elegans                               | •     |        |           | undambie                         |               |  | Polyscias elegans                         | Celery wood                |
| Pseudalangium spp.                          |       |        |           | Walm babie                       |               |  | Alangium villosum subsp.                  | Black muskheart            |
| r seuaaangum spp.                           | •     |        |           | Walli Uaule                      |               |  | polyosmoides                              | DIACK HIUSKIICALL          |

| Described<br>by                                 |       |        |           |   | Common name  | S          | Likely current names from the Australian Plant<br>Name Index |  |  |  |
|---|-------|--------|-----------|---|--|------------|--|--|--|--|
| Scientific name<br>(at time of description)     | Moore | Carron | Surveyors | Moore (1861)                                | Surveyors<br>(Wilson:<br>Carron (1871) 1841–42,<br>others:<br>1857–1870) |            | Scientific name  | Common name  |  |  |
| Rhus rhodanthema                                | 4     |        | s.        | light yellow wood                           | d satin or yellow<br>wood  | Yellowwood | Rhodosphaera rhodanthema                                     | a Tulip satinwood                                      |  |  |
| Rottlera discolor                               | •     |        |           |   |  |            | Mallotus discolor  | Yellow kamala  |  |  |
| Rottlera tinctoria                              | •     |        |           |   |  |            | Mallotus philippensis  | Orange kamala  |  |  |
| Schmidelia anodonta                             | •     |        |           | gomphan                                     |  |            | Mischocarpus anodontus                                       | Pear fruited tamarind                                  |  |  |
| Stenocarpus salignus                            | •     |        |           | beefwood or silky<br>oak                    | y  |            | Stenocarpus salignus   | Red silky oak  |  |  |
| Stenocarpus sinuatue                            |       | •      |           |   | beefwood or<br>silky oak   |            | Stenocarpus sinuatus   | White silky oak  |  |  |
| Synoum glandulosum                              | •     |        |           | Rosewood                                    |  |            | Synoum glandulosum   | Scentless rosewood                                     |  |  |
| Tabern?emontana spp.<br>Tarrietia argyrodendron | •     |        |           | Bitter bark<br>Iron wood or<br>byong        |  |            | Heritiera trifoliolatum                                      | Brown tulip oak  |  |  |
| Trochocarpa laurina                             |       | •      |           |   | bush cherry  |            | Trochocarpa laurina  |  |  |  |
| Urtica gigas<br>Urtica photiniophylla           | •     |        | •         | Large Nettle tree<br>Small-leaved<br>nettle |  | Nettle     | Dendrocnide excelsa<br>Dendrocnide photinophylla             | Giant stinging tree<br>Shining leaved stinging<br>tree |  |  |
| Vitex spp                                       | •     |        |           | Beech-tree                                  |  |            | Premna lignum-vitae  | Yellow hollywood                                       |  |  |
| Wistaria megasperma                             | •     |        |           |   |  |            | Callerya megasperma  | Native wistaria  |  |  |

# Appendix 2. The 60 species of the total of 77 species from the historical list (Appendix 1) also present in Floyd's (1990) species list.

| Family            | Species                  | Name in 1990           | Common name        |
|-------------------|--------------------------|------------------------|--------------------|
| Alangiaceae       | Alangium villosum        |                        | Black muskheart    |
| Anacardiaceae     | Rhodosphaera rhodanthema |                        | Deep yellowwood    |
| Araliaceae        | Polyscias elegans        |                        | Celery wood        |
| Araucariaceae     | Araucaria cunninghamii   |                        | Hoop pine          |
| Cannabaceae       | Celtis paniculata        | Fa. Ulmaceae           | Native hackberry   |
| Capparaceae       | Capparis arborea         |                        | Native pomegranate |
| Cardiopteridaceae | Citronella moorei        | Fa. Icacinaceae        | Soapy Box          |
| Cunoniaceae       | Geissois benthamii       |                        | Red carabeen       |
| Ebenaceae         | Diospyros pentamera      |                        | Grey persimon      |
| Elaeocarpaceae    | Sloanea australis        |                        | Mainden's blush    |
| Epacridaceae      | Trochocarpa laurina      |                        | Tree heath         |
| Euphorbiaceae     | Baloghia inophylla       |                        | Brush bloodwood    |
|                   | Mallotus discolor        |                        | Yellow kamalla     |
|                   | Mallotus philippensis    |                        | Orange kamalla     |
| Fabaceae          | Castanospermum australe  |                        | Black bean         |
| Lauraceae         | Cryptocarya glaucescens  |                        | Jackwood           |
|                   | Cryptocarya obovata      |                        | Pepperberry        |
|                   | Endiandra virens         |                        | White apple        |
| Meliaceae         | Dyoxylum fraserianum     |                        | Rosewood           |
|                   | Dysoxylum mollissimum    | Dysoxylum muelleri     | Red bean           |
|                   | Dyoxylum rufum           |                        | Hairy Rosewood     |
|                   | Synoum glandulosum       |                        | Scentless rosewood |
|                   | Toona ciliata            | Toona australis        | Red cedar          |
| Monimiaceae       | Daphnandra micrantha     | Fa. Atherospermataceae | Socketwood         |
| Moraceae          | Ficus macrophylla        |                        | Moreton Bay fig    |
|                   | Ficus obliqua            |                        | Small leaved fig   |
|                   | Streblus brunonianus     |                        | Whalebone tree     |

| MyrtaceaeGossia acmenoidesAustromyrtus acmenoidesScrub ironwoodLophostemon confertusBrush boxRhodamnia rubescensScub turpentine |               | Species                     | Name in 1990                | Common name            |
|---|---------------|-----------------------------|-----------------------------|------------------------|
| Rhodamnia rubescens Scub turpentine   | Myrtaceae     | Gossia acmenoides           | Austromyrtus acmenoides     | Scrub ironwood         |
|   |               | Lophostemon confertus       |                             | Brush box              |
|   |               | Rhodamnia rubescens         |                             | Scub turpentine        |
| Syzygium australe Brush cherry  |               | Syzygium australe           |                             | Brush cherry           |
| Syzgium floribundum Waterhousea floribunda Weeping myrtle   |               | Syzgium floribundum         | Waterhousea floribunda      | Weeping myrtle         |
| Oleraceae Olea paniculata Native olive  | Oleraceae     | Olea paniculata             |                             | Native olive           |
| Proteaceae Grevillea robusta Silky oak  | Proteaceae    | Grevillea robusta           |                             | Silky oak              |
| Stenocarpus salignus Scrub beefwood   |               | Stenocarpus salignus        |                             | Scrub beefwood         |
| Stenocarpus sinuatus Wheel of fire tree   |               | Stenocarpus sinuatus        |                             | Wheel of fire tree     |
| RhamnaceaeAlphitonia excelsaRed ash   | Rhamnaceae    | Alphitonia excelsa          |                             | Red ash                |
| Rubiaceae Hodgkinsonia ovatiflora Golden ash  | Rubiaceae     | Hodgkinsonia ovatiflora     |                             | Golden ash             |
| Rutaceae Dinosperma erythrococcum Melicope erthrococca Tingletongue   | Rutaceae      | Dinosperma erythrococcum    | Melicope erthrococca        | Tingletongue           |
| Flindersia australis Teak   |               | Flindersia australis        |                             | Teak                   |
| Flindersia schottiana Bumpy ash   |               | Flindersia schottiana       |                             | Bumpy ash              |
| Sarcomelicope simplicifolia Yellow acronychia   |               | Sarcomelicope simplicifolia |                             | Yellow acronychia      |
| Sapindaceae Alectryon subcinereus Wild quince   | Sapindaceae   | Alectryon subcinereus       |                             | Wild quince            |
| Cupaniopsis anacardioides Tuckeroo  |               | Cupaniopsis anacardioides   |                             | Tuckeroo               |
| Diploglottis australis Tamarind   |               | Diploglottis australis      |                             | Tamarind               |
| Elattostachys xylocarpa Short-leaf beetroot   |               | Elattostachys xylocarpa     |                             | Short-leaf beetroot    |
| Guioa semiglauca Guioa  |               | Guioa semiglauca            |                             | Guioa                  |
| Harpullia pendula Tulipwood   |               | Harpullia pendula           |                             | Tulipwood              |
| Jagera pseudohus Foambark   |               | Jagera pseudohus            |                             | Foambark               |
| Mischocarpus anodontus Few-leaved brush apple   |               | Mischocarpus anodontus      |                             | Few-leaved brush apple |
| SapotaceaePouteria australisPlanchonella australisBlack apple   | Sapotaceae    | Pouteria australis          | Planchonella australis      | Black apple            |
| Simaroubaceae Ailanthus triphysa White bean   | Simaroubaceae | Ailanthus triphysa          |                             | White bean             |
| Solenaceae Duboisia myoporoides Soft corkwood   | Solenaceae    | Duboisia myoporoides        |                             | Soft corkwood          |
| Sterculiaceae Heritiera trifoliolatum Argyrodendron trifoliolatum White booyong   | Sterculiaceae | Heritiera trifoliolatum     | Argyrodendron trifoliolatum | White booyong          |
| Brachychiton discolor Lacebark tree   |               | Brachychiton discolor       |                             | Lacebark tree          |
| Commersonia bartramia Brown kurrajong   |               | Commersonia bartramia       |                             | Brown kurrajong        |
| Urticaceae Dendrocnide excelsa Giant stinging tree  | Urticaceae    | Dendrocnide excelsa         |                             | Giant stinging tree    |
| Dendrocnide photinophylla Shining-leaved stinging tree  |               | Dendrocnide photinophylla   |                             |                        |
| Verbenaceae Gmelina leichhardtii white beech  | Verbenaceae   | Gmelina leichhardtii        |                             | white beech            |
| Premna lignum-vitae Lignum-vitae  |               | Premna lignum-vitae         |                             | Lignum-vitae           |

## Appendix 3. The historical list of species (Appendix 2) with average abundance data using the rating in Table 2 applied to the abundance data taken from Floyd (1990).

|                             | Floyd's suballiances |     |     |     |     |     |     |     |     |     |     |     |  |  |
|-----------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| Species                     | 1                    | 2   | 3   | 4   | 5   | 6   | 16  | 23  | 24  | 25  | 26  | 33  |  |  |
| Ailanthus triphysa          | 1.5                  |     |     |     |     |     | 0.8 | 0.2 | 0.3 |     |     | 0.2 |  |  |
| Alangium villosum           | 1.5                  | 3.5 | 2.8 | 1.3 | 1.5 | 0.2 | 1   | 0.2 |     |     |     | 1.2 |  |  |
| Alectryon subcinereus       | 0.5                  | 0.5 | 0.6 | 1   |     |     |     | 2.6 | 1.3 |     | 0.3 | 0.8 |  |  |
| Alphitonia excelsa          | 1.8                  | 2   | 2.6 | 0.3 | 1.8 | 0.2 | 0.8 | 2.6 | 0.3 | 3   | 4.8 | 2.4 |  |  |
| Araucaria cunninghamii      |                      |     | 1.4 |     |     | 0.6 | 1.5 | 0.6 | 0.3 |     |     |     |  |  |
| Argyrodendron trifoliolatum | 9.0                  | 1   | 2.4 | 0.3 | 2.3 |     |     | 0.6 | 2   |     |     | 1.2 |  |  |
| Austromyrtus acmenoides     |                      | 1.5 | 0.2 |     |     |     |     | 0.8 |     | 2.3 |     | 0.2 |  |  |
| Baloghia inophylla          | 2.5                  | 1.5 | 1.2 |     | 1   | 0.6 | 0.3 | 3.8 | 5.3 |     | 0.8 | 2.6 |  |  |
| Brachychiton discolor       |                      | 0.5 | 1.8 |     |     |     |     | 1.2 | 0.3 |     |     |     |  |  |
| Capparis arborea            | 1.5                  |     | 2.6 | 1   | 1   |     |     | 3.8 |     | 4   |     |     |  |  |
| Castanospermum australe     | 1.0                  |     | 2.6 | 1   | 10  |     |     |     | 8.7 | 3   |     | 1.2 |  |  |
| Celtis paniculata           | 05                   | 1.5 | 0.8 | 0.3 | 1   |     | 1.8 | 0.4 | 1   |     |     |     |  |  |
| Citronella moorei           | 1.3                  | 0.5 |     | 2   | 0.8 |     |     | 1.2 |     |     |     | 1   |  |  |
| Commersonia bartramia       | 1.0                  | 1.5 | 0.8 | 0.3 | 0.3 |     | 1.5 | 2   | 0.3 |     |     | 0.6 |  |  |
| Cryptocarya glaucescens     |                      | 1.5 |     | 1.3 | 0.3 | 0.6 | 0.3 | 0.2 |     |     | 3   | 2.8 |  |  |
| Cryptocarya obovata         | 1.0                  | 6   | 4   | 1.7 | 2.8 | 1   |     | 0.6 | 2.3 | 4   | 0.8 | 1.4 |  |  |
| Cupaniopsis anacardioides   |                      |     | 0.2 |     | 0.3 | 0.2 | 7.3 | 3.2 |     |     |     |     |  |  |
| Daphnandra micrantha        | 2.5                  | 3   | 1.8 | 3.3 |     | 0.6 |     | 1.4 | 3   |     | 1.5 | 2.4 |  |  |
| Dendrocnide excelsa         | 3.8                  | 5   | 6   | 1.3 | 1.8 |     |     | 3   | 2   |     |     | 1.6 |  |  |

|   | Floyd's suballiances |     |            |     |     |     |     |     |     |     |     |     |  |  |
|---|----------------------|-----|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| Species   | 1                    | 2   | 3          | 4   | 5   | 6   | 16  | 23  | 24  | 25  | 26  | 33  |  |  |
| Dendrocnide photinophylla                                   | 2.8                  | 2   | 2          | 1.3 | 2.3 |     | 4.5 | 0.6 | 1   |     |     | 0.6 |  |  |
| Diospyros pentamera   | 3.3                  | 3   | 2.4        |     | 1.8 | 0.6 | 3.5 | 3.8 | 1   | 1   |     | 3   |  |  |
| Diploglottis australis                                      | 2.5                  | 3   | 2          | 3   | 2.5 |     | 0.8 | 2.2 | 1.3 | 1.3 | 0.8 | 2.2 |  |  |
| Duboisia myoporoides  | 1.5                  |     | 0.2        |     |     |     |     |     |     |     |     | 0.8 |  |  |
| Dyoxylum fraserianum  | 2.0                  | 2   | 0.2        | 1   | 1.5 |     | 0.8 | 2.4 | 2   |     | 0.8 | 1.6 |  |  |
| Dyoxylum muelleri   | 2.5                  | 0.5 | 1.2        | 3.3 | 5   | 0.8 | 1   | 0.6 |     |     |     | 0.6 |  |  |
| Dyoxylum rufum  | 0.3                  | 4.5 | 2.2        | 0.3 | 0.3 |     | 0.3 | 0.2 | 1   |     |     | 1.2 |  |  |
| Elattostachys xylocarpa                                     |                      |     |            |     |     |     |     | 0.6 | 0.3 |     |     |     |  |  |
| Endiandra virens  | 0.8                  |     |            |     |     |     |     |     |     |     |     | 0.2 |  |  |
| Ficus macrophylla   | 2.3                  | 5   | 8.4        | 1   | 0.8 |     |     | 2.6 | 1.3 |     |     | 0.2 |  |  |
| Ficus obliqua   | 2                    | 1.5 | 3          | 0.3 |     | 0.2 | 1.8 | 0.8 |     |     |     |     |  |  |
| Flindersia australis  | 0.8                  |     | 0.4        |     | 0.8 |     |     | 0.6 |     |     |     | 0.2 |  |  |
| Flindersia schottiana                                       |                      |     | 0.8        | 0.3 | 2.3 |     | 4.8 | 0.6 |     |     |     | 0.8 |  |  |
| Geissois benthamii  | 3.8                  |     |            | 2   | 3.3 |     |     |     |     |     |     | 5.2 |  |  |
| Gmelina leichhardtii  | 0.8                  |     | 0.2        | 1.3 | 0.3 | 0.2 | 1   | 0.6 | 0.3 |     | 0.3 | 1.6 |  |  |
| Grevillea robusta   | 0.0                  | 3   | 1.4        | 1.5 | 0.5 | 0.2 | 1   | 0.0 | 4.7 | 1.7 | 2.5 | 1.0 |  |  |
| Guioa semiglauca  | 2.5                  | 0.5 | 2          | 1.3 | 1.5 | 0.6 | 4.5 | 4.4 | 1.3 | 2   | 2.3 | 2.4 |  |  |
| Harpullia pendula   | 0.3                  | 3.5 | 2.8        | 1.5 | 0.3 | 0.2 | 0.8 |     | 1.5 | -   | 2.5 | 2.1 |  |  |
| Hodgkinsonia ovatiflora                                     | 0.5                  | 0.5 | 0.8        | 1   | 0.8 | 1.2 | 4.3 | 0.4 | 0.3 | 1.3 |     | 0.2 |  |  |
| Jagera pseudohus  | 1.8                  | 3   | 3          | 0.3 | 2.3 | 0.6 | 1.3 | 1.4 | 0.5 | 2   | 1   | 0.2 |  |  |
| Lophostemon confertus                                       | 4.5                  | 1.5 | 5          | 2.3 | 1.8 | 0.6 | 3   | 1.4 | 0.3 | 2   | 1   | 3   |  |  |
| Malotus discolor  | 2.5                  | 1.5 | 0.6        | 2.5 | 1.5 | 0.0 | 1.5 | 0.6 | 0.5 |     |     | 0.2 |  |  |
| Malotus aiscolor<br>Malotus philippensis                    | 1.5                  | 1.5 | 0.0<br>4.4 | 2   | 1.5 |     | 1.5 | 6   | 4   | 5.3 |     | 0.2 |  |  |
|   | 1.5                  | 1.5 | 4.4        | 2   | 1.5 |     |     |     | 4   | 5.5 |     | 0.0 |  |  |
| Melicope erythrococca                                       |                      |     |            |     |     |     |     | 0.6 |     |     |     |     |  |  |
| Mischocarpus anodontus                                      |                      |     |            |     |     | 0.2 |     |     |     |     |     |     |  |  |
| Olea paniculata   | 0.3                  |     | 0.4        |     |     | 0.6 | 1   | 3.8 | 0.7 |     |     |     |  |  |
| Planchonella australis                                      | 1.8                  | 0.5 | 2.4        | 1   | 1.3 |     | 1   | 2   |     | 0.7 | 1   | 1.6 |  |  |
| Polyscias elegans   | 2.0                  | 3   | 1.4        | 1   | 1.8 | 0.6 | 2   | 1.6 | 0.3 |     |     | 1.4 |  |  |
| Premna lignum-vitae   |                      |     |            |     |     |     |     |     | 1   |     |     |     |  |  |
| Rhodamnia rubescens   | 0.5                  | 3   |            |     | 1   | 0.6 |     | 1.2 |     |     |     | 2.4 |  |  |
| Rhodosphaera rhodanthema                                    |                      |     |            |     |     |     |     |     | 1   |     |     |     |  |  |
| Sarcomelicope simplicifolia                                 | 0.8                  |     | 0.4        |     | 1.8 |     | 1.5 | 2   |     |     |     | 0.4 |  |  |
| Sloanea australis   | 5.8                  |     | 2          | 7.7 | 3.3 | 2.6 |     | 0.6 |     |     | 0.3 | 3.2 |  |  |
| Stenocarpus salignus  |                      |     |            |     |     |     |     | 0.4 |     |     |     | 1.6 |  |  |
| Stenocarpus sinuatus  | 0.8                  |     | 0.6        | 1   | 0.8 | 0.2 |     | 0.6 |     |     |     | 0.2 |  |  |
| Streblus brunonianus  | 1.0                  | 5   | 5.6        |     | 1.5 |     |     | 9.2 | 3.3 | 8.7 | 0.3 | 0.2 |  |  |
| Synoum glandulosum  |                      |     | _          | 2   | 0.8 | 1.8 | 0.3 | 0.6 |     |     | 0.8 | 3   |  |  |
| Syzygium australe   | 1.5                  | _   | 1          | 2   | 0.3 | 0.5 | 1.8 | 0.8 | 4   | 1.3 | 0.6 | 0.8 |  |  |
| Toona australis   | 0.3                  | 5   | 1.4        | 5.3 | 2.3 | 0.2 |     | 1   | 2.3 |     | 0.8 | 0.6 |  |  |
| Trochocarpa laurina   |                      |     |            |     |     | 2.6 | 2.3 | 0.6 |     |     |     | 2.8 |  |  |
| Waterhousea floribunda                                      |                      |     | 1.8        |     |     |     |     | 0.6 |     |     |     |     |  |  |
| Sum of average abundance values                             | 82                   | 83  | 87         | 56  | 69  | 18  | 58  | 84  | 59  | 42  | 22  | 63  |  |  |
| Total abundance value                                       | 225                  | 196 | 193        | 160 | 156 | 86  | 193 | 214 | 132 | 126 | 107 | 213 |  |  |
| Percentage of historial list of the total abundance         | 37%                  | 42% | 45%        | 35% | 44% | 21% | 30% | 39% | 45% | 33% | 20% | 30% |  |  |
| No. of species (max. 60)                                    | 44                   | 35  | 45         | 34  | 41  | 26  | 31  | 52  | 33  | 15  | 18  | 45  |  |  |
| Total No. of species  | 161                  | 93  | 146        | 103 | 134 | 99  | 95  | 166 | 75  | 52  | 80  | 184 |  |  |
| Percentage of historial list of the total no.<br>of species | 27%                  | 38% | 31%        | 33% | 31% | 26% | 33% | 31% | 44% | 29% | 23% | 24% |  |  |

### Appendix 4. Rainforest trees by suballiance that have been sorted by abundance.

These lists have been created from Floyd's species list (Floyd 1990, v. 2 microfiche) and have been sorted so that the top 45 most abundant species from the represented sites are listed. These could be the species to be used to start any rainforest recreation activities. This assumes that the more abundant species are the more successful in the ecological niche for that particular suballiance and therefore have the greatest chance of becoming established. These lists would be used in conjunction with the model of the location of the suballiances on the floodplain as an aid in species selection for any given site on the floodplain.

The lists show the species name using the 1990 names used in Floyd (1990). The abundance rating is shown for each of the listed sites and the average rating across all sites. In addition, the highest abundance rating for all sites is shown.

### Table 2 (from main document) Numerical rating values applied to Floyd's (1990 v. 1 p. 23) abundance ratings.

| Abun | dance rating | Basis for abundance rating  | Numerical rating |  |  |  |
|------|--------------|-----------------------------|------------------|--|--|--|
| VC   | Very common  | Top 1–6 most common species | 10               |  |  |  |
| С    | Common       | More than 5 individuals     | 6                |  |  |  |
| 0    | Occasional   | 2 to about 5 individuals    | 3                |  |  |  |
| R    | Rare         | 1 only seen                 | 1                |  |  |  |

### Suballiance No. 2 Toona – Flindersia spp.

| Site | Location     |  |  |  |  |  |
|------|--------------|--|--|--|--|--|
| 1    | Stotts Is NR |  |  |  |  |  |

2 Hortons Ck., Leasehold

|                    |                 |                             |                          | Sit | te | Av. abund. | Max of            |  |
|--------------------|-----------------|-----------------------------|--------------------------|-----|----|------------|-------------------|--|
| Family             | Genus           | Species                     | Common                   | 1   | 2  | ratings    | abund.<br>ratings |  |
| Sapindaceae        | Elattostachys   | nervosa                     | Beetroot                 | 3   | 10 | 6.5        | 10                |  |
| Lauraceae          | Cryptocarya     | obovata                     | Pepperberry              | 6   | 6  | 6          | 6                 |  |
| Rutaceae           | Flindersia      | schottina                   | Bumpy ash                | 6   | 6  | 6          | 6                 |  |
| Ulmaceae           | Aphananthe      | philippinensis              | Native elm               | 10  |    | 5          | 10                |  |
| Moraceae           | Ficus           | macrophylla                 | Moreton bay fig          | 10  |    | 5          | 10                |  |
| Moraceae           | Streblus        | brunonianus                 | Whalebone tree           | 10  |    | 5          | 10                |  |
| Urticaceae         | Dendrocnide     | excelsa                     | Giant stinging tree      |     | 10 | 5          | 10                |  |
| Meliaceae          | Melia           | azedarach var. australasica | White cedar              |     | 10 | 5          | 10                |  |
| Meliaceae          | Toona           | australis                   | Red cedar                |     | 10 | 5          | 10                |  |
| Sterculiaceae      | Argyrodendron   | actinophyllum               | Black booyong            | 10  |    | 5          | 10                |  |
| Moraceae           | Ficus           | coronata                    | Creek sandpaper fig      | 6   | 3  | 4.5        | 6                 |  |
| Meliaceae          | Dyoxylum        | rufum                       | Hairy Rosewood           | 6   | 3  | 4.5        | 6                 |  |
| Sapindaceae        | Harpullia       | pendula                     | Tulipwood                | 6   | 1  | 3.5        | 6                 |  |
| Alangiaceae        | Alangium        | villosum                    | Black muskheart          | 1   | 6  | 3.5        | 6                 |  |
| Podocacarpaceae    | Podocarpus      | elatus                      | Brown pine               | 6   |    | 3          | 6                 |  |
| Arecaceae          | Archontophoenix | cunninghamiana              | Bangalow palm            | 3   | 3  | 3          | 3                 |  |
| Proteaceae         | Grevillea       | robusta                     | Silky oak                |     | 6  | 3          | 6                 |  |
| Atherospermataceae | Daphnandra      | micrantha                   | Socketwood               |     | 6  | 3          | 6                 |  |
| Lauraceae          | Endiandra       | muelleri                    | Green-leaved rose walnut |     | 6  | 3          | 6                 |  |
| Lauraceae          | Neolitsea       | dealbata                    | White bolly gum          |     | 6  | 3          | 6                 |  |
| Euphorbiaceae      | Cleistanthus    | cunnunghamii                | Cleistanthus             | 6   |    | 3          | 6                 |  |
| Euphorbiaceae      | Croton          | verreauxii                  | Green native cascarilla  | 3   | 3  | 3          | 3                 |  |
| Euphorbiaceae      | Drypetes        | australasica                | Yellow tulip             | 6   |    | 3          | 6                 |  |
| Celastraceae       | Denhamia        | celastroides                | Orange boxwood           |     | 6  | 3          | 6                 |  |
| Sapindaceae        | Diploglottis    | australis                   | Tamarind                 | 3   | 3  | 3          | 3                 |  |
| Sapindaceae        | Jagera          | pseudohus                   | Foambark                 | 3   | 3  | 3          | 3                 |  |
| Elaeocarpaceae     | Elaeocarpus     | grandis                     | Blue fig                 | 6   |    | 3          | 6                 |  |
| Elaeocarpaceae     | Elaeocarpus     | obovatus                    | Blueberry ash            | 6   |    | 3          | 6                 |  |
| Myrtaceae          | Austromyrtus    | bidwillii                   | Python tree              | 3   | 3  | 3          | 3                 |  |
| Myrtaceae          | Rhodamnia       | rubescens                   | Scub turpentine          |     | 6  | 3          | 6                 |  |
| Araliaceae         | Polyscias       | legans                      | Celery wood              | 3   | 3  | 3          | 3                 |  |

| Sapotaceae | Planchonella  | laurifolia                | Blush coondoo                | 6 |   | 3   | 6 |
|------------|---------------|---------------------------|------------------------------|---|---|-----|---|
| Ebenaceae  | Diospyros     | pentamera                 | Grey persimon                | 3 | 3 | 3   | 3 |
| Urticaceae | Dendrocnide   | photinophylla             | Shining-leaved stinging tree | 1 | 3 | 2   | 3 |
| Rutaceae   | Acronychia    | oblongifolia              | Common acronychia            | 1 | 3 | 2   | 3 |
| Meliaceae  | Dyoxylum      | fraserianum               | Rosewood                     | 1 | 3 | 2   | 3 |
| Rhamnaceae | Alphitonia    | excelsa                   | Red ash                      | 3 | 1 | 2   | 3 |
| Ulmaceae   | Celtis        | paniculata                | Native hackberry             | 3 |   | 1.5 | 3 |
| Moraceae   | Ficus         | fraseri                   | Sandpaper fig                | 3 |   | 1.5 | 3 |
| Moraceae   | Ficus         | obliqua                   | Small-leaved fig             | 3 |   | 1.5 | 3 |
| Moraceae   | Ficus         | virens var. sublanceolata | White fig                    | 3 |   | 1.5 | 3 |
| Moraceae   | Ficus         | watkinsiana               | Strangler fig                |   | 3 | 1.5 | 3 |
| Lauraceae  | Beilschmiedia | obtusifolia               | Hard bolly gum               | 3 |   | 1.5 | 3 |

### Suballiance No. 3 Cryptocarya obovata – Dendrocnide excels – Ficus spp – Araucaria

| Site | Location                |
|------|-------------------------|
| 1    | Stotts Is. N.R.         |
| 2    | Boat Harbour N.R.       |
| 3    | Susan Island. N.R.      |
| 4    | Bellingen Is. Rec. Res. |

5 Wingham Brush Rec. & Flora Res.

|                   |                 |                            |                              |    |    | Site |    |    | Av.               | Max of            |
|-------------------|-----------------|----------------------------|------------------------------|----|----|------|----|----|-------------------|-------------------|
| Family            | Genus           | Species                    | Common                       | 1  | 2  | 3    | 4  | 5  | abund.<br>ratings | abund.<br>ratings |
| Moraceae          | Ficus           | macrophylla                | Moreton bay fig              | 10 | 6  | 10   | 6  | 10 | 8.4               | 10                |
| Ulmaceae          | Aphananthe      | philippinensis             | Native elm                   | 10 | 10 | 6    |    | 10 | 7.2               | 10                |
| Urticaceae        | Dendrocnide     | excelsa                    | Giant stinging tree          |    |    | 10   | 10 | 10 | 6                 | 10                |
| Moraceae          | Streblus        | brunonianus                | Whalebone tree               | 6  | 6  | 10   |    | 6  | 5.6               | 10                |
| Meliaceae         | Melia           | azedarach var. australasic | aWhite cedar                 |    | 3  | 3    | 6  | 10 | 4.4               | 10                |
| Euphorbiaceae     | Malotus         | philippensis               | Orange kamalla               | 3  | 10 | 6    |    | 3  | 4.4               | 10                |
| Moraceae          | Ficus           | coronata                   | Creek sandpaper fig          | 1  | 3  | 6    | 10 | 1  | 4.2               | 10                |
| Lauraceae         | Cryptocarya     | obovata                    | Pepperberry                  | 3  | 10 | 1    | 3  | 3  | 4                 | 10                |
| Lauraceae         | Endiandra       | pubens                     | White bark walnut            |    | 10 |      | 6  |    | 3.2               | 10                |
| Moraceae          | Ficus           | obliqua                    | Small-leaved fig             | 3  | 6  |      | 6  |    | 3                 | 6                 |
| Sapindaceae       | Jagera          | pseudohus                  | Foambark                     |    | 6  | 3    | 6  |    | 3                 | 6                 |
| Sapindaceae       | Harpullia       | pendula                    | Tulipwood                    | 3  | 1  | 10   |    |    | 2.8               | 10                |
| Alangiaceae       | Alangium        | villosum                   | Black muskheart              |    | 1  |      | 3  | 10 | 2.8               | 10                |
| Capparaceae       | Capparis        | arborea                    | Native pomegranate           |    | 6  | 1    |    | 6  | 2.6               | 6                 |
| Fabaceae          | Castanospermum  | australe                   | Black bean                   |    | 6  | 3    | 1  | 3  | 2.6               | 6                 |
| Rutaceae          | Euodia          | micrococca                 | White euodia                 |    | 6  |      | 6  | 1  | 2.6               | 6                 |
| Rhamnaceae        | Alphitonia      | excelsa                    | Red ash                      | 3  | 6  | 3    |    | 1  | 2.6               | 6                 |
| Elaeocarpaceae    | Elaeocarpus     | obovatus                   | Blueberry ash                | 6  | 3  | 3    |    | 1  | 2.6               | 6                 |
| Myrtaceae         | Eucalyptus      | tereticornis               | Forest red gum               |    | 3  | 10   |    |    | 2.6               | 10                |
| Myrtaceae         | Syzygium        | francisii                  | Giant water-gum              | 6  | 6  |      | 1  |    | 2.6               | 6                 |
| Sterculiaceae     | Argyrodendron   | trifoliolatum              | White booyong                |    | 6  |      | 6  |    | 2.4               | 6                 |
| Sapotaceae        | Planchonella    | australis                  | Black apple                  |    | 6  |      |    | 6  | 2.4               | 6                 |
| Ebenaceae         | Diospyros       | pentamera                  | Grey persimon                | 3  |    | 3    | 3  | 3  | 2.4               | 3                 |
| Lauraceae         | Cinnamomum      | oliveri                    | Oliver's sasafrass           |    | 10 |      | 1  |    | 2.2               | 10                |
| Meliaceae         | Dyoxylum        | rufum                      | Hairy Rosewood               |    | 3  | 1    | 1  | 6  | 2.2               | 6                 |
| Arecaceae         | Archontophoenix | cunninghamiana             | Bangalow palm                | 10 |    |      |    |    | 2                 | 10                |
| Moraceae          | Ficus           | watkinsiana                | Strangler fig                |    | 3  | 1    | 6  |    | 2                 | 6                 |
| Urticaceae        | Dendrocnide     | photinophylla              | Shining-leaved stinging tree | 1  | 6  |      | 3  |    | 2                 | 6                 |
| Lauraceae         | Neolitsea       | dealbata                   | White bolly gum              |    | 3  | 1    | 3  | 3  | 2                 | 3                 |
| Mimosaceae        | Pararchidendron | pruinosum                  | Snow-wood                    |    | 1  | 3    | 3  | 3  | 2                 | 3                 |
| Sapindaceae       | Diploglottis    | australis                  | Tamarind                     |    | 3  |      | 6  | 1  | 2                 | 6                 |
| Sapindaceae       | Guioa           | semiglauca                 | Guioa                        | 1  | 3  |      | 3  | 3  | 2                 | 3                 |
| Elaeocarpaceae    | Sloanea         | australis                  | Mainden's blush              |    |    |      | 10 |    | 2                 | 10                |
| Atherospermatacea | e Daphnandra    | micrantha                  | Socketwood                   |    | 3  |      |    | 6  | 1.8               | 6                 |

| Lauraceae     | Endiandra     | muelleri     | Green-leaved rose walnut |   | 6 | 3 |   |   | 1.8 | 6 |
|---------------|---------------|--------------|--------------------------|---|---|---|---|---|-----|---|
| Lauraceae     | Litsea        | australis    | Brown bolly gum          |   | 6 | 3 |   |   | 1.8 | 6 |
| Euphorbiaceae | Drypetes      | australasica | Yellow tulip             | 6 | 3 |   |   |   | 1.8 | 6 |
| Sapindaceae   | Elattostachys | nervosa      | Beetroot                 |   | 3 |   | 3 | 3 | 1.8 | 3 |
| Sterculiaceae | Brachychiton  | discolor     | Lacebark tree            |   | 3 | 6 |   |   | 1.8 | 6 |
| Myrtaceae     | Waterhousea   | floribunda   | Weeping myrtle           |   |   |   | 6 | 3 | 1.8 | 6 |
| Araucariaceae | Araucaria     | cunninghamii | Hoop pine                | 3 | 3 |   |   | 1 | 1.4 | 3 |
| Moraceae      | Ficus         | fraseri      | Sandpaper fig            | 1 | 3 | 3 |   |   | 1.4 | 3 |
| Proteaceae    | Grevillea     | robusta      | Silky oak                |   | 3 | 1 | 3 |   | 1.4 | 3 |
|               |               |              |                          |   |   |   |   |   |     |   |

### Suballiance No. 4 Elaeocarpus grandis

Site Location

1 Wanganui P.P.

Terania Ck., Nightcap N.P.
 Middle Ck., Gibraltar Range N.P.

|                    |                 |                    |                              |    |    |    | Av.               | Max of            |
|--------------------|-----------------|--------------------|------------------------------|----|----|----|-------------------|-------------------|
| Family             | Genus           | Species            | Common                       | 1  | 2  | 3  | abund.<br>ratings | abund.<br>ratings |
| Arecaceae          | Archontophoenix | cunninghamiana     | Bangalow palm                | 10 | 10 | 10 | 10.0              | 10                |
| Elaeocarpaceae     | Sloanea         | australis          | Mainden's blush              | 10 | 10 | 3  | 7.7               | 10                |
| Elaeocarpaceae     | Elaeocarpus     | grandis            | Blue fig                     | 3  | 6  | 10 | 6.3               | 10                |
| Escelloniaceae     | Cuttsia         | viburnea           | Elderberry                   | 3  | 3  | 10 | 5.3               | 10                |
| Meliaceae          | Toona           | australis          | Red cedar                    | 10 |    | 6  | 5.3               | 10                |
| Moraceae           | Ficus           | coronata           | Creek sandpaper fig          | 6  | 6  | 3  | 5.0               | 6                 |
| Atherospermataceae | Daphnandra      | micrantha          | Socketwood                   | 6  | 3  | 1  | 3.3               | 6                 |
| Lauraceae          | Cryptocarya     | rigida             | Rose maple                   |    |    | 10 | 3.3               | 10                |
| Meliaceae          | Dyoxylum        | melleri            | Red bean                     | 10 |    |    | 3.3               | 10                |
| Myrtaceae          | Syzygium        | crebrinerva        | Purple cherry                | 10 |    |    | 3.3               | 10                |
| Lauraceae          | Endiandra       | pubens             | White bark walnut            | 6  | 3  |    | 3.0               | 6                 |
| Cunoniaceae        | Caldcluvia      | paniculosa         | Corkwood                     | 3  |    | 6  | 3.0               | 6                 |
| Euphorbiaceae      | Glochidion      | ferdinandi         | Cheese tree                  | 6  |    | 3  | 3.0               | 6                 |
| Sapindaceae        | Castanospora    | alphandii          | Brown tamarind               | 6  | 3  |    | 3.0               | 6                 |
| Sapindaceae        | Diploglottis    | australis          | Tamarind                     | 6  |    | 3  | 3.0               | 6                 |
| Myrtaceae          | Austromyrtus    | lasioclada         | Velvet myrtle                | 6  | 3  |    | 3.0               | 6                 |
| Moraceae           | Ficus           | watkinsiana        | Strangler fig                | 1  |    | 6  | 2.3               | 6                 |
| Lauraceae          | Neolitsea       | dealbata           | White bolly gum              | 1  |    | 6  | 2.3               | 6                 |
| Icacinaceae        | Pennantia       | cunninghamii       | Brown beech                  | 3  | 1  | 3  | 2.3               | 3                 |
| Myrtaceae          | Lophostemon     | confertus          | Brush box                    | 1  |    | 6  | 2.3               | 6                 |
| Cunoniaceae        | Geissois        | benthamii          | Red carabeen                 | 6  |    |    | 2.0               | 6                 |
| Meliaceae          | Synoum          | glandulosum        | Scentless rosewood           |    |    | 6  | 2.0               | 6                 |
| Euphorbiaceae      | Malotus         | philippensis       | Orange kamalla               | 3  |    | 3  | 2.0               | 3                 |
| Icacinaceae        | Citronella      | moorei             | Soapy box                    | 3  |    | 3  | 2.0               | 3                 |
| Myrtaceae          | Acema           | smithii var. minor | Small leaved lilly pilly     | 6  |    |    | 2.0               | 6                 |
| Myrtaceae          | Syzygium        | australe           | Brush cherry                 |    |    | 6  | 2.0               | 6                 |
| Myrtaceae          | Syzygium        | hodgkinsoniae      | Smooth-bark rose apple       | 6  |    |    | 2.0               | 6                 |
| Myrtaceae          | Tristaniosis    | laurina            | Water gum                    | 6  |    |    | 2.0               | 6                 |
| Lauraceae          | Cryptocarya     | obovata            | Pepperberry                  | 3  | 1  | 1  | 1.7               | 3                 |
| Urticaceae         | Dendrocnide     | excelsa            | Giant stinging tree          | 1  |    | 3  | 1.3               | 3                 |
| Urticaceae         | Dendrocnide     | photinophylla      | Shining-leaved stinging tree | 1  |    | 3  | 1.3               | 3                 |
| Eupomatiaceae      | Eupomatia       | laurina            | Bolwarra                     | 1  |    | 3  | 1.3               | 3                 |
| Lauraceae          | Cryptocarya     | glaucescens        | Jackwood                     | 1  |    | 3  | 1.3               | 3                 |
| Lauraceae          | Endiandra       | muelleri           | Green-leaved rose walnut     | 3  |    | 1  | 1.3               | 3                 |
| Pittosporaceae     | Hymenosporum    | fiavum             | Native frangipani            | 1  |    | 3  | 1.3               | 3                 |
| Pittosporaceae     | Pittosporum     | undulatum          | Sweet pittosporum            | 3  |    | 1  | 1.3               | 3                 |
| Cunoniaceae        | Ceratopetalum   | apetalum           | Coachwood                    | 1  |    | 3  | 1.3               | 3                 |
| Cunoniaceae        | Schizomeria     | ovata              | Crabapple                    | 1  |    | 3  | 1.3               | 3                 |
| Mimosaceae         | Acacia          | melanoxylon        | Blackwood                    | 1  |    | 3  | 1.3               | 3                 |
|                    |                 |                    |                              |    |    |    |                   |                   |

| Meliaceae     | Melia       | azedarach var. australasica | White cedar      | 1 | 3 | 1.3 | 3 |
|---------------|-------------|-----------------------------|------------------|---|---|-----|---|
| Anacardiaceae | Euroschinus | falcata                     | Chinaman's cedar | 3 | 1 | 1.3 | 3 |
| Sapindaceae   | Guioa       | semiglauca                  | Guioa            | 1 | 3 | 1.3 | 3 |
| Myrtaceae     | Syzygium    | olersum                     | Blue cherry      | 1 | 3 | 1.3 | 3 |
|               |             |                             |                  |   |   |     |   |

### Suballiance No. 5 Castanospermum – Dysoxylum mollissimum

| ah N.R.    |
|------------|
|            |
|            |
| na Reserve |
|            |

|                    |                  |                             |                              |    | Site |    |    | Av.               | Max of            |
|--------------------|------------------|-----------------------------|------------------------------|----|------|----|----|-------------------|-------------------|
| Family             | Genus            | Species                     | Common                       | 1  | 2    | 3  | 4  | abund.<br>ratings | abund.<br>ratings |
| Fabaceae           | Castanospermum   | australe                    | Black bean                   | 10 | 10   | 10 | 10 | 10.0              | 10                |
| Meliaceae          | Dyoxylum         | muelleri                    | Red bean                     |    |      | 10 | 10 | 5.0               | 10                |
| Cunoniaceae        | Geissois         | benthamii                   | Red carabeen                 | 3  | 10   |    |    | 3.3               | 10                |
| Elaeocarpaceae     | Sloanea          | australis                   | Mainden's blush              |    | 10   | 3  |    | 3.3               | 10                |
| Meliaceae          | Anthocarapa      | nitidula                    | Bog onion                    | 3  | 6    | 3  |    | 3.0               | 6                 |
| Lauraceae          | Cryptocarya      | obovata                     | Pepperberry                  | 1  | 3    | 1  | 6  | 2.8               | 6                 |
| Moraceae           | Ficus            | watkinsiana                 | Strangler fig                | 6  | 3    |    | 1  | 2.5               | 6                 |
| Mimosaceae         | Pararchidendron  | pruinosum                   | Snow-wood                    | 3  | 1    | 3  | 3  | 2.5               | 3                 |
| Sapindaceae        | Diploglottis     | australis                   | Tamarind                     | 1  | 3    | 3  | 3  | 2.5               | 3                 |
| Moraceae           | Ficus            | fraseri                     | Sandpaper fig                |    |      | 6  | 3  | 2.3               | 6                 |
| Urticaceae         | Dendrocnide      | photinophylla               | Shining-leaved stinging tree | 6  |      |    | 3  | 2.3               | 6                 |
| Lauraceae          | Endiandra        | muelleri                    | Green-leaved rose walnut     |    | 3    | 6  |    | 2.3               | 6                 |
| Lauraceae          | Endiandra        | pubens                      | White bark walnut            | 3  |      | 6  |    | 2.3               | 6                 |
| Rutaceae           | Flindersia       | schottina                   | Bumpy ash                    |    |      | 6  | 3  | 2.3               | 6                 |
| Meliaceae          | Toona            | australis                   | Red cedar                    | 3  |      | 3  | 3  | 2.3               | 3                 |
| Sapindaceae        | Arytera          | distylis                    | Two-leaved coogara           | 6  |      | 3  |    | 2.3               | 6                 |
| Sapindaceae        | Jagera           | pseudohus                   | Foambark                     | 3  |      | 3  | 3  | 2.3               | 3                 |
| Elaeocarpaceae     | Sloanea          | woollsii                    | Yellow carabeen              |    | 6    | 3  |    | 2.3               | 6                 |
| Sterculiaceae      | Argyrodendron    | trifoliolatum               | White booyong                | 3  | 3    | 3  |    | 2.3               | 3                 |
| Sterculiaceae      | Brachychiton     | acerifolius                 | Flame tree                   | 6  | 1    | 1  |    | 2.0               | 6                 |
| Ulmaceae           | Aphananthe       | philippinensis              | Native elm                   |    |      | 1  | 6  | 1.8               | 6                 |
| Urticaceae         | Dendrocnide      | excelsa                     | Giant stinging tree          | 3  |      | 3  | 1  | 1.8               | 3                 |
| Rutaceae           | Sarcomelicope    | simplicifolia               | Yellow acronychia            |    | 1    | 3  | 3  | 1.8               | 3                 |
| Meliaceae          | Melia            | azedarach var. australasica | White cedar                  | 3  |      | 3  | 1  | 1.8               | 3                 |
| Sapindaceae        | Sarcopteryx      | stipata                     | Steelwood                    | 6  |      | 1  |    | 1.8               | 6                 |
| Rhamnaceae         | Alphitonia       | excelsa                     | Red ash                      | 3  |      | 3  | 1  | 1.8               | 3                 |
| Myrtaceae          | Lophostemon      | confertus                   | Brush box                    | 6  |      |    | 1  | 1.8               | 6                 |
| Myrtaceae          | Syzygium         | crebrinerva                 | Purple cherry                |    | 1    | 6  |    | 1.8               | 6                 |
| Myrtaceae          | Syzygium         | hodgkinsoniae               | Smooth-bark rose apple       | 6  |      | 1  |    | 1.8               | 6                 |
| Araliaceae         | Polyscias        | legans                      | Celery wood                  | 3  |      | 3  | 1  | 1.8               | 3                 |
| Ebenaceae          | Diospyros        | pentamera                   | Grey persimmon               | 3  | 1    | 3  |    | 1.8               | 3                 |
| Moraceae           | Streblus         | brunonianus                 | Whalebone tree               |    |      |    | 6  | 1.5               | 6                 |
| Proteaceae         | Macadamia        | tetraphylla                 | Rough-shelled bush nut       |    |      | 3  | 3  | 1.5               | 3                 |
| Atherospermataceae | Daphnandra       | tenuipes                    | Red-flowered socketwood      | 3  | 3    |    |    | 1.5               | 3                 |
| Lauraceae          | Neolitsea        | australiensis               | Smooth-barked booly gum      |    |      | 6  |    | 1.5               | 6                 |
| Lauraceae          | Neolitsea        | dealbata                    | White bolly gum              | 3  |      | 3  |    | 1.5               | 3                 |
| Cunoniaceae        | Pseudoweinmannia | lachnocarpa                 | Mararie                      | 6  |      |    |    | 1.5               | 6                 |
| Rutaceae           | Euodia           | micrococca                  | White euodia                 |    |      | 6  |    | 1.5               | 6                 |
| Rutaceae           | Melicope         | octandra                    | Doughwood                    |    |      | 6  |    | 1.5               | 6                 |
| Meliaceae          | Dyoxylum         | fraserianum                 | Rosewood                     | 3  |      | 3  |    | 1.5               | 3                 |
| Euphorbiaceae      | Actephila        | lindleyi                    | Actephila                    |    |      | 6  |    | 1.5               | 6                 |
| Euphorbiaceae      | Malotus          | discolor                    | Yellow kamalla               |    |      | 6  |    | 1.5               | 6                 |
| Euphorbiaceae      | Malotus          | philippensis                | Orange kamalla               |    |      | 3  | 3  | 1.5               | 3                 |
| 1                  |                  |                             | c                            |    |      |    |    |                   |                   |

### Suballiance No. 6 Archontophoenix – Livistona

#### Site Location

| 1 | Stotts Is. N.R.  |
|---|------------------|
| 2 | Round Mtn. Lease |

- Terania Ck., Nightcap N.P. Clarence Peak, freehold Yahou Is. N.R.
- 3 4 5

|                    |                 |                |                                | Site |    | Av. | Max of |    |                   |                   |
|--------------------|-----------------|----------------|--------------------------------|------|----|-----|--------|----|-------------------|-------------------|
| Family             | Genus           | Species        | Common                         | 1    | 2  | 3   | 4      | 5  | abund.<br>ratings | abund.<br>ratings |
| Arecaceae          | Archontophoenix | cunninghamiana | Bangalow palm                  | 3    | 10 | 10  | 10     |    | 6.6               | 10                |
| Arecaceae          | Livistona       | australis      | Cabbage tree palm              | 10   | 3  |     | 10     | 10 | 6.6               | 10                |
| Elaeocarpaceae     | Sloanea         | australis      | Mainden's blush                |      | 3  | 10  |        |    | 2.6               | 10                |
| Epacridaceae       | Trochocarpa     | laurina        | Tree heath                     |      | 3  |     | 10     |    | 2.6               | 10                |
| Moraceae           | Ficus           | coronata       | Creek sandpaper fig            |      | 6  | 6   |        |    | 2.4               | 6                 |
| Lauraceae          | Endiandra       | discolor       | Rose walnut                    |      | 6  |     | 6      |    | 2.4               | 6                 |
| Elaeocarpaceae     | Elaeocarpus     | grandis        | Blue fig                       |      | 6  | 6   |        |    | 2.4               | 6                 |
| Sapotaceae         | Planchonella    | laurifolia     | Blush coondoo                  |      | 10 |     |        |    | 2                 | 10                |
| Meliaceae          | Synoum          | glandulosum    | Scentless rosewood             |      | 3  |     | 6      |    | 1.8               | 6                 |
| Euphorbiaceae      | Glochidion      | ferdinandi     | Cheese tree                    |      |    |     | 3      | 6  | 1.8               | 6                 |
| Myrtaceae          | Melaleuca       | quinquenervia  | Broad-leaved paper-bark        | 3    |    |     |        | 6  | 1.8               | 6                 |
| Oleraceae          | Notelaea        | lonifolia      | Large mock-olive               |      | 3  |     |        | 6  | 1.8               | 6                 |
| Elaeocarpaceae     | Elaeocarpus     | obovatus       | Blueberry ash                  | 6    | 1  | 1   |        |    | 1.6               | 6                 |
| Rutaceae           | Acronychia      | oblongifolia   | Common acronychia              |      |    |     | 1      | 6  | 1.4               | 6                 |
| Casuarinaceae      | Casuarina       | glauca         | Swamp she-oak                  | 3    |    |     |        | 3  | 1.2               | 3                 |
| Lauraceae          | Endiandra       | globosa        | Black walnut                   |      | 6  |     |        |    | 1.2               | 6                 |
| Lauraceae          | Neolitsea       | dealbata       | White bolly gum                |      | 6  |     |        |    | 1.2               | 6                 |
| Cunoniaceae        | Ceratopetalum   | gummiferum     | NSW christmas bush             |      |    |     | 6      |    | 1.2               | 6                 |
| Cunoniaceae        | Schizomeria     | ovata          | Crabapple                      |      |    |     | 6      |    | 1.2               | 6                 |
| Mimosaceae         | Acacia          | maidenii       | Mainden's wattle               |      |    |     |        | 6  | 1.2               | 6                 |
| Mimosaceae         | Archidendron    | grandifolorum  | Pink lace-flower               |      | 3  | 3   |        |    | 1.2               | 3                 |
| Euphorbiaceae      | Glochidion      | sumatranum     | Umbrella cheese tree           |      | 6  |     |        |    | 1.2               | 6                 |
| Myrtaceae          | Acema           | smithii        | Lilli Pilly                    |      |    |     | 3      | 3  | 1.2               | 3                 |
| Myrtaceae          | Callistemon     | salignus       | White bottlebrush              |      |    |     |        | 6  | 1.2               | 6                 |
| Myrtaceae          | Rhodamnia       | maideniana     | Smooth-leaved brush turpentine |      | 6  |     |        |    | 1.2               | 6                 |
| Myrtaceae          | Syzygium        | olersum        | Blue cherry                    |      | 3  |     | 3      |    | 1.2               | 3                 |
| Rubiaceae          | Hodgkinsonia    | ovatiflora     | Golden ash                     |      | 3  |     | 3      |    | 1.2               | 3                 |
| Lauraceae          | Cryptocarya     | obovata        | Pepperberry                    | 1    | 3  | 1   |        |    | 1                 | 3                 |
| Meliaceae          | Dyoxylum        | melleri        | Red bean                       | 1    | 3  |     |        |    | 0.8               | 3                 |
| Sapindaceae        | Mischocarpus    | pyiformis      | Brush apple                    | 1    | 3  |     |        |    | 0.8               | 3                 |
| Myrtaceae          | Syzygium        | moorei         | Rose apple                     | 1    | 3  |     |        |    | 0.8               | 3                 |
| Araucariaceae      | Araucaria       | cunninghamii   | Hoop pine                      | 3    |    |     |        |    | 0.6               | 3                 |
| Moraceae           | Ficus           | fraseri        | Sandpaper fig                  |      |    |     |        | 3  | 0.6               | 3                 |
| Moraceae           | Ficus           | watkinsiana    | Strangler fig                  |      | 3  |     |        |    | 0.6               | 3                 |
| Atherospermataceae | Daphnandra      | micrantha      | Socketwood                     |      |    | 3   |        |    | 0.6               | 3                 |
| Lauraceae          | Cryptocarya     | glaucescens    | Jackwood                       |      |    |     | 3      |    | 0.6               | 3                 |
| Lauraceae          | Cryptocarya     | rigida         | Rose maple                     |      |    |     | 3      |    | 0.6               | 3                 |
| Lauraceae          | Endiandra       | muelleri       | Green-leaved rose walnut       |      | 3  |     |        |    | 0.6               | 3                 |
| Lauraceae          | Endiandra       | pubens         | White bark walnut              |      |    | 3   |        |    | 0.6               | 3                 |
| Lauraceae          | Endiandra       | sieberi        | Hard corkwood                  |      |    |     | 3      |    | 0.6               | 3                 |
| Escelloniaceae     | Cuttsia         | viburnea       | Elderberry                     |      |    | 3   |        |    | 0.6               | 3                 |
| Pittosporaceae     | Hymenosporum    | fiavum         | Native frangipani              |      | 3  |     |        |    | 0.6               | 3                 |
| Pittosporaceae     | Pittosporum     | undulatum      | Sweet pittosporum              |      |    |     | 3      |    | 0.6               | 3                 |
|                    |                 |                |                                |      |    |     |        |    |                   |                   |

### Suballiance No. 16 Syzygium luehmannii – Acmena hemilampra

Site Location Broken Head N.R. & Rec. Reserve 1 2 3 luka N.R.

Bundagen F.R. Yarrahapinni Ecology Study Centre 4

|                 |                 |                |                              | Site |    |    | Av. | Max of            |                   |
|-----------------|-----------------|----------------|------------------------------|------|----|----|-----|-------------------|-------------------|
| Family          | Genus           | Species        | Common                       | 1    | 2  | 3  | 4   | abund.<br>ratings | abund.<br>ratings |
| Sapindaceae     | Mischocarpus    | pyiformis      | Brush apple                  | 6    | 10 | 6  | 10  | 8.0               | 10                |
| Myrtaceae       | Syzygium        | luehmannii     | Riberry                      |      | 10 | 10 | 10  | 7.5               | 10                |
| Sapindaceae     | Cupaniopsis     | anacardioides  | Tuckeroo                     | 10   | 6  | 10 | 3   | 7.3               | 10                |
| Euphorbiaceae   | Drypetes        | australasica   | Yellow tulip                 | 3    | 10 | 1  | 6   | 5.0               | 10                |
| Rutaceae        | Acronychia      | imperforata    | Beach acronychia             | 3    | 10 | 3  | 3   | 4.8               | 10                |
| Rutaceae        | Flindersia      | schottina      | Bumpy ash                    | 3    | 10 |    | 6   | 4.8               | 10                |
| Anacardiaceae   | Euroschinus     | falcata        | Chinaman's cedar             |      | 6  | 10 | 3   | 4.8               | 10                |
| Moraceae        | Ficus           | watkinsiana    | Strangler fig                |      | 6  | 6  | 6   | 4.5               | 6                 |
| Urticaceae      | Dendrocnide     | photinophylla  | Shining-leaved stinging tree |      | 6  | 6  | 6   | 4.5               | 6                 |
| Sapindaceae     | Guioa           | semiglauca     | Guioa                        | 3    | 6  | 6  | 3   | 4.5               | 6                 |
| Arecaceae       | Archontophoenix | cunninghamiana | Bangalow palm                | 10   | 1  | 3  | 3   | 4.3               | 10                |
| Rubiaceae       | Hodgkinsonia    | ovatiflora     | Golden ash                   | 10   | 1  | 3  | 3   | 4.3               | 10                |
| Podocacarpaceae | Podocarpus      | elatus         | Brown pine                   | 1    | 3  | 6  | 6   | 4.0               | 6                 |
| Ulmaceae        | Aphananthe      | philippinensis | Native elm                   | 10   |    |    | 6   | 4.0               | 10                |
| Proteaceae      | Banksia         | integrifolia   | Coast banksia                | 3    | 3  | 10 |     | 4.0               | 10                |
| Celastraceae    | Cassine         | australis      | Red olive berry              | 3    | 6  | 6  | 1   | 4.0               | 6                 |
| Sapindaceae     | Arytera         | divaricara     | Coogara                      |      | 10 | 3  | 3   | 4.0               | 10                |
| Myrtaceae       | Acema           | hemilampra     | Broad-leaved lilly pilly     | 6    | 10 |    |     | 4.0               | 10                |
| Rubiaceae       | Canthium        | coprosmoides   | Coast canthium               | 6    | 6  | 1  | 3   | 4.0               | 6                 |
| Myrtaceae       | Rhodomyrtus     | psidioides     | Native guava                 | 3    | 3  | 3  | 6   | 3.8               | 6                 |
| Myrtaceae       | Syzygium        | olersum        | Blue cherry                  | 3    | 6  | 3  | 3   | 3.8               | 6                 |
| Oleraceae       | Notelaea        | lonifolia      | Large mock-olive             |      | 6  | 3  | 6   | 3.8               | 6                 |
| Ebenaceae       | Diospyros       | pentamera      | Grey persimon                |      | 10 | 3  | 1   | 3.5               | 10                |
| Euphorbiaceae   | Glochidion      | ferdinandi     | Cheese tree                  | 6    | 3  | 1  | 3   | 3.3               | 6                 |
| Lauraceae       | Litsea          | australis      | Brown bolly gum              | 3    | 3  | 3  | 3   | 3.0               | 3                 |
| Rutaceae        | Flindersia      | bennettiana    | Bennett's ash                | 6    | 6  |    |     | 3.0               | 6                 |
| Rutaceae        | Halfordia       | kendack        | Saffronheart                 | 6    | 6  |    |     | 3.0               | 6                 |
| Sapindaceae     | Alectryon       | coniaceus      | Beach bird's eye             |      | 6  | 6  |     | 3.0               | 6                 |
| Myrtaceae       | Lophostemon     | confertus      | Brush box                    | 3    | 3  | 3  | 3   | 3.0               | 3                 |
| Moraceae        | Ficus           | coronata       | Creek sandpaper fig          |      | 1  | 3  | 6   | 2.5               | 6                 |
| Moraceae        | Ficus           | fraseri        | Sandpaper fig                | 3    | 3  | 1  | 3   | 2.5               | 3                 |
| Myrtaceae       | Rhodamnia       | argentea       | Malletwood                   |      | 6  |    | 3   | 2.3               | 6                 |
| Epacridaceae    | Trochocarpa     | laurina        | Tree heath                   |      | 3  | 3  | 3   | 2.3               | 3                 |
| Myrtaceae       | Acema           | smithii        | Lilli Pilly                  |      | 1  | 6  | 1   | 2.0               | 6                 |
| Araliaceae      | Polyscias       | legans         | Celery wood                  | 3    | 1  | 3  | 1   | 2.0               | 3                 |
| Ulmaceae        | Celtis          | paniculata     | Native hackberry             |      | 3  | 1  | 3   | 1.8               | 3                 |
| Moraceae        | Ficus           | obliqua        | Small-leaved fig             |      | 3  | 3  | 1   | 1.8               | 3                 |
| Lauraceae       | Endiandra       | discolor       | Rose walnut                  |      | 1  | 6  |     | 1.8               | 6                 |
| Euphorbiaceae   | Claoxylon       | australe       | Brittlewood                  |      | 6  | 1  |     | 1.8               | 6                 |
| Myrtaceae       | Syzygium        | australe       | Brush cherry                 | 1    |    | 6  |     | 1.8               | 6                 |
| Araucariaceae   | Araucaria       | cunninghamii   | Hoop pine                    | 6    |    |    |     | 1.5               | 6                 |
| Arecaceae       | Livistona       | australis      | Cabbage tree palm            |      | 3  |    | 3   | 1.5               | 3                 |
| Lauraceae       | Cryptocarya     | triplinervis   | Three veined laurel          | 3    | 3  |    |     | 1.5               | 3                 |
|                 | -               |                |                              |      |    |    |     |                   |                   |

### Suballiance No. 24 Castanospermum – Grevillea robusta

### Site Location

- 1 Sawpit Ck., Border Ranges N.P.
- 2 Moore Park Rec. Reserve
- 3 Yorklea, Freehold

| Family             | Genus           | Species                     | Common                       | 1  | Site<br>2 | 3  | Av.<br>abund.<br>ratings | Max of<br>abund.<br>ratings |
|--------------------|-----------------|-----------------------------|------------------------------|----|-----------|----|--------------------------|-----------------------------|
| Fabaceae           | Castanospermum  | australe                    | Black bean                   | 6  | 10        | 10 | 8.7                      | 10                          |
| Casuarinaceae      | Casuarina       | cunninghamiana              | River oak                    |    | 10        | 6  | 5.3                      | 10                          |
| Ulmaceae           | Aphananthe      | philippinensis              | Native elm                   | 3  | 10        | 3  | 5.3                      | 10                          |
| Euphorbiaceae      | Baloghia        | inophylla                   | Brush bloodwood              | 6  | 10        |    | 5.3                      | 10                          |
| Moraceae           | Ficus           | coronata                    | Creek sandpaper fig          | 6  | 6         | 3  | 5.0                      | 6                           |
| Proteaceae         | Grevillea       | robusta                     | Silky oak                    | 3  | 10        | 1  | 4.7                      | 10                          |
| Euphorbiaceae      | Malotus         | philippensis                | Orange kamalla               | 3  | 6         | 3  | 4.0                      | 6                           |
| Myrtaceae          | Syzygium        | australe                    | Brush cherry                 | 6  | 3         | 3  | 4.0                      | 6                           |
| Myrtaceae          | Syzygium        | francisii                   | Giant water-gum              | 10 | 1         |    | 3.7                      | 10                          |
| Podocacarpaceae    | Podocarpus      | elatus                      | Brown pine                   |    | 10        |    | 3.3                      | 10                          |
| Moraceae           | Streblus        | brunonianus                 | Whalebone tree               | 3  | 6         | 1  | 3.3                      | 6                           |
| Myrtaceae          | Eucalyptus      | grandis                     | Flooded gum                  | 10 |           |    | 3.3                      | 10                          |
| Myrtaceae          | Melaleuca       | bracteata                   | White cloud tree             |    | 10        |    | 3.3                      | 10                          |
| Atherospermataceae | Daphnandra      | micrantha                   | Socketwood                   | 6  | 3         |    | 3.0                      | 6                           |
| Mimosaceae         | Acacia          | concurrens                  | Curracabah                   |    | 6         | 3  | 3.0                      | 6                           |
| Surianaceae        | Guifoylia       | monostylis                  | Native plum                  | 6  | 3         |    | 3.0                      | 6                           |
| Sapindaceae        | Arytera         | divaricara                  | Coogara                      | 6  | 3         |    | 3.0                      | 6                           |
| Lauraceae          | Beilschmiedia   | elliptica                   | Grey walnut                  | 1  | 6         |    | 2.3                      | 6                           |
| Lauraceae          | Cryptocarya     | obovata                     | Pepperberry                  | 3  | 3         | 1  | 2.3                      | 3                           |
| Lauraceae          | Cryptocarya     | triplinervis                | Three veined laurel          |    | 1         | 6  | 2.3                      | 6                           |
| Meliaceae          | Toona           | australis                   | Red cedar                    | 6  | 1         |    | 2.3                      | 6                           |
| Urticaceae         | Dendrocnide     | excelsa                     | Giant stinging tree          | 6  |           |    | 2.0                      | 6                           |
| Lauraceae          | Beilschmiedia   | obtusifolia                 | Hard bolly gum               | 3  | 3         |    | 2.0                      | 3                           |
| Mimosaceae         | Pararchidendron | pruinosum                   | Snow-wood                    |    | 6         |    | 2.0                      | 6                           |
| Meliaceae          | Dyoxylum        | fraserianum                 | Rosewood                     | 6  |           |    | 2.0                      | 6                           |
| Meliaceae          | Melia           | azedarach var. australasica | <i>i</i> White cedar         | 3  | 3         |    | 2.0                      | 3                           |
| Sapindaceae        | Elattostachys   | nervosa                     | Beetroot                     | 6  |           |    | 2.0                      | 6                           |
| Sterculiaceae      | Argyrodendron   | actinophyllum               | Black booyong                | 6  |           |    | 2.0                      | 6                           |
| Sterculiaceae      | Argyrodendron   | trifoliolatum               | White booyong                | 6  |           |    | 2.0                      | 6                           |
| Myrtaceae          | Acema           | smithii                     | Lilli Pilly                  |    |           | 6  | 2.0                      | 6                           |
| Myrtaceae          | Callistemon     | viminalis                   | Drooping bottlebrush         |    | 3         | 3  | 2.0                      | 3                           |
| Moraceae           | Ficus           | macrophylla                 | Moreton bay fig              | 3  | 1         |    | 1.3                      | 3                           |
| Rutaceae           | Acronychia      | oblongifolia                | Common acronychia            |    | 1         | 3  | 1.3                      | 3                           |
| Sapindaceae        | Alectryon       | subcinereus                 | Wild quince                  | 3  | 1         |    | 1.3                      | 3                           |
| Sapindaceae        | Diploglottis    | australis                   | Tamarind                     | 3  | 1         |    | 1.3                      | 3                           |
| Sapindaceae        | Guioa           | semiglauca                  | Guioa                        | 3  | 1         |    | 1.3                      | 3                           |
| Ulmaceae           | Celtis          | paniculata                  | Native hackberry             |    | 3         |    | 1.0                      | 3                           |
| Urticaceae         | Dendrocnide     | photinophylla               | Shining-leaved stinging tree | 3  |           |    | 1.0                      | 3                           |
| Lauraceae          | Endiandra       | muelleri                    | Green-leaved rose walnut     | 1  | 1         | 1  | 1.0                      | 1                           |
| Lauraceae          | Litsea          | australis                   | Brown bolly gum              | 3  |           |    | 1.0                      | 3                           |
| Lauraceae          | Neolitsea       | australiensis               | Smooth-barked booly gum      | 3  |           |    | 1.0                      | 3                           |
| Lauraceae          | Neolitsea       | dealbata                    | White bolly gum              |    | 3         |    | 1.0                      | 3                           |
| Pittosporaceae     | Hymenosporum    | fiavum                      | Native frangipani            |    | 3         |    | 1.0                      | 3                           |
|                    |                 |                             |                              |    |           |    |                          |                             |

### Suballiance No. 33 Ceratopetalum/Schizomeria – Argyrodendron/Sloanea

| Site | Location  |
|------|---|
| 1    | Hogans Scrub, Freehold                            |
| 2    | Middle Ck., F.R., Marengo S.F.                    |
| 3    | Bruxner Park F.R., Orara East S.F.                |
| 4    | Waterfall and Cockerawombeeba Cks., Mt. Boss S.F. |
| 5    | Weelah N.R.                                       |

|                    |                 |                |                          |    |    | Site |    |    | Av.               | Max of            |
|--------------------|-----------------|----------------|--------------------------|----|----|------|----|----|-------------------|-------------------|
| Family             | Genus           | Species        | Common                   | 1  | 2  | 3    | 4  | 5  | abund.<br>ratings | abund.<br>ratings |
| Elaeocarpaceae     | Sloanea         | woollsii       | Yellow carabeen          | 3  | 10 | 10   | 10 | 3  | 7.2               | 10                |
| Cunoniaceae        | Geissois        | benthamii      | Red carabeen             | 1  | 3  | 6    | 10 | 6  | 5.2               | 10                |
| Sterculiaceae      | Argyrodendron   | actinophyllum  | Black booyong            |    | 10 | 3    | 6  | 6  | 5                 | 10                |
| Atherospermataceae | Doryphora       | sassafras      | Sassafras                | 6  | 6  | 3    | 6  | 3  | 4.8               | 6                 |
| Cunoniaceae        | Ceratopetalum   | apetalum       | Coachwood                | 10 | 3  | 10   |    |    | 4.6               | 10                |
| Arecaceae          | Archontophoenix | cunninghamiana | Bangalow palm            | 10 |    | 10   |    |    | 4                 | 10                |
| Lauraceae          | Cryptocarya     | meissneriana   | Thick-leaved laurel      | 3  |    |      | 10 | 6  | 3.8               | 10                |
| Escelloniaceae     | Polyosma        | cunninghamii   | Featherwood              | 3  | 3  | 6    | 3  | 3  | 3.6               | 6                 |
| Cunoniaceae        | Caldcluvia      | paniculosa     | Corkwood                 | 3  | 3  | 3    | 3  | 6  | 3.6               | 6                 |
| Lauraceae          | Cryptocarya     | microneura     | Murrogun                 | 3  |    | 6    | 1  | 6  | 3.2               | 6                 |
| Elaeocarpaceae     | Sloanea         | australis      | Mainden's blush          | 6  |    | 10   |    |    | 3.2               | 10                |
| Moraceae           | Ficus           | coronata       | Creek sandpaper fig      |    | 6  | 3    | 6  |    | 3                 | 6                 |
| Proteaceae         | Orites          | excelsa        | Prickly ash              | 3  | 6  | 3    | 3  |    | 3                 | 6                 |
| Cunoniaceae        | Schizomeria     | ovata          | Crabapple                |    | 3  | 3    | 3  | 6  | 3                 | 6                 |
| Meliaceae          | Synoum          | glandulosum    | Scentless rosewood       | 3  |    | 3    | 3  | 6  | 3                 | 6                 |
| Myrtaceae          | Lophostemon     | confertus      | Brush box                | 6  |    | 6    | 3  |    | 3                 | 6                 |
| Ebenaceae          | Diospyros       | pentamera      | Grey persimon            | 3  | 3  | 6    |    | 3  | 3                 | 6                 |
| Moraceae           | Ficus           | watkinsiana    | Strangler fig            | 3  |    | 10   |    | 1  | 2.8               | 10                |
| Lauraceae          | Cryptocarya     | glaucescens    | Jackwood                 | 6  | 1  | 3    | 1  | 3  | 2.8               | 6                 |
| Epacridaceae       | Trochocarpa     | laurina        | Tree heath               | 3  | 1  | 3    | 1  | 6  | 2.8               | 6                 |
| Escelloniaceae     | Quintinia       | verdonii       | Grey possumwood          | 3  |    | 6    | 1  | 3  | 2.6               | 6                 |
| Rutaceae           | Acradenia       | euodiiformia   | Bonewood                 |    |    | 10   | 3  |    | 2.6               | 10                |
| Euphorbiaceae      | Baloghia        | inophylla      | Brush bloodwood          |    |    |      | 3  | 10 | 2.6               | 10                |
| Myrtaceae          | Acema           | smithii        | Lilli Pilly              | 6  | 1  |      | 3  | 3  | 2.6               | 6                 |
| Atherospermataceae | Daphnandra      | micrantha      | Socketwood               |    | 1  |      | 1  | 10 | 2.4               | 10                |
| Lauraceae          | Cryptocarya     | rigida         | Rose maple               |    |    | 6    | 3  | 3  | 2.4               | 6                 |
| Icacinaceae        | Pennan??a       | cunninghamii   | Brown beech              |    | 6  |      | 3  | 3  | 2.4               | 6                 |
| Sapindaceae        | Guioa           | semiglauca     | Guioa                    | 3  |    | 3    |    | 6  | 2.4               | 6                 |
| Rhamnaceae         | Alphitonia      | excelsa        | Red ash                  | 6  |    | 6    |    |    | 2.4               | 6                 |
| Myrtaceae          | Rhodamnia       | rubescens      | Scub turpentine          | 3  |    | 6    |    | 3  | 2.4               | 6                 |
| Lauraceae          | Neolitsea       | dealbata       | White bolly gum          | 3  |    | 6    | 1  | 1  | 2.2               | 6                 |
| Sapindaceae        | Diploglottis    | australis      | Tamarind                 | 3  | 1  | 3    | 1  | 3  | 2.2               | 3                 |
| Sapindaceae        | Sarcopteryx     | stipata        | Steelwood                | 3  | 1  | 3    | 1  | 3  | 2.2               | 3                 |
| Lauraceae          | Endiandra       | muelleri       | Green-leaved rose walnut | 3  |    | 3    | 1  | 3  | 2                 | 3                 |
| Elaeocarpaceae     | Elaeocarpus     | reticulatus    | Lily-of-the-valley tree  | 3  |    | 3    | 1  | 3  | 2                 | 3                 |
| Lauraceae          | Endiandra       | discolor       | Rose walnut              | 6  |    | 3    |    |    | 1.8               | 6                 |
| Myrtaceae          | Eucalyptus      | grandis        | Flooded gum              | 3  |    | 6    |    |    | 1.8               | 6                 |
| Urticaceae         | Dendrocnide     | excelsa        | Giant stinging tree      | 1  | 1  |      | 3  | 3  | 1.6               | 3                 |
| Proteaceae         | Stenocarpus     | salignus       | Scrub beefwood           | 1  |    | 3    | 1  | 3  | 1.6               | 3                 |
| Meliaceae          | Dyoxylum        | fraserianum    | Rosewood                 | 1  | 3  |      | 1  | 3  | 1.6               | 3                 |
| Euphorbiaceae      | Claoxylon       | australe       | Brittlewood              |    | 1  | 3    | 1  | 3  | 1.6               | 3                 |
| Sapotaceae         | Planchonella    | australis      | Black apple              | 3  |    | 3    | 1  | 1  | 1.6               | 3                 |
| Verbenaceae        | Gmelina         | leichhardtii   | White beech              | 1  |    | 3    | 1  | 3  | 1.6               | 3                 |
|                    |                 |                |                          |    |    |      |    |    |                   |                   |

## *Appendix 5.* List of species from the brushes of the Richmond River region, as printed in the *Clarence and Richmond Examiner* and *New England Advertiser*, 1 April, 1873, p. 6.

The likely current names were based on the original botanical name utilising the Australian Plant Census and Australian Plant Name Index.

| FectNetresEucalipus siderophiaIronbark100-5030-45Eucalypus siderophiaEucalipus solignaGreg gun100-5030-45Eucalypus canalalilensisEucalipus robustaStringybark80-5024-45Eucalypus anyglalinaEucalipus robustaMalogany100-5030-45Eucalypus anyglalinaEucalipus robustaMalogany100-5030-45Eucalypus anyglalinaEucalipus robustaBloodwood70-2021-37Corymbia maculataEucalipus corymbosaBloodwood70-2021-37Corymbia maculataEucalipus corymbosaBloodwood70-2021-27Sysgliam canniniEgenia (antoliolanDurobby80-0024-30Sysgliam canniniEgenia (antoliolanDurobby80-0024-30Sysgliam canniniEugenia (antoliolanDurobby80-0024-30Sysgliam canniniEugenia (antoliolanDurobby80-0024-30Sysgliam canniniEugenia (antoliolanThree-veined nyrthe60-8018-24Gostai constrateMyrna RocenidedsWhite myrthe60-8018-24Molamania rubacensAllatience antiliantisThree-veined nyrth30-8024-40Holdmania rubacensAllatience antiliantisStrate gun80-3024-40Holdmania rubacensAllatience antiliantisStrate gun80-3024-40Holdmania rubacensAllatience antiliantisStrate gun80-3024-37Lephotrenon confortat   | Botanical name (1873)    | Local name            | Heig    | ht    | Likely current botanical name         |  |  |
|--|--------------------------|-----------------------|---------|-------|---------------------------------------|--|--|
| Exactignus rostralarFlooded gum100-5030-45Exactignus configuras configurasExactignus amygdalinaNiringybark80-5024-45Exactignus robustaEucalignus robustaMahogany100-5030-45Exactignus robustaEucalignus robustaMahogany100-5021-37Corynhia gumaliferaEucalignus corynhosaBloodwood70-2021-37Corynhia gumaliferaEucalignus corynhosaBloodwood70-2024-30Syzygium cantiniEugenia jambolaaDarobby80-6024-30Syzygium cantiniEugenia jambolaaDarobby80-6024-30Syzygium cantiniEugenia jambolaaDarobby80-6030-45Syzygium cantiniEugenia jambolaaDarobby80-6080-42Gossium cantiniEugenia jambolaaBradt cherry30-409-12Rhodomytrus beckleriMyrnas AmeniadesWhite myrthe60-8018-24Gossiu amenoidesRhodiamia trinerviaThree-veined myrtle30-409-12Mchateca stratecasAlaidenca clacuadendronWhite true20-806-9Mchateca stratecasMalaidenca deucadendronWhite true20-802-4-30Exclusions alignusMalaidenca clacuadendronWhite grup80-002-4-30Fristenia cantinisKatalae ca clacuadendroWhite grup80-002-4-30Fristenia cantinisMalaidenca clacuadendroWhite grup80-002-4-30Fristenia cantinisMalaidenca clacuaden  |                          |                       | -       |       |                                       |  |  |
| Exactignus rostralarFlooded gum100-5030-45Exactignus configuras configurasExactignus amygdalinaNiringybark80-5024-45Exactignus robustaEucalignus robustaMahogany100-5030-45Exactignus robustaEucalignus robustaMahogany100-5021-37Corynhia gumaliferaEucalignus corynhosaBloodwood70-2021-37Corynhia gumaliferaEucalignus corynhosaBloodwood70-2024-30Syzygium cantiniEugenia jambolaaDarobby80-6024-30Syzygium cantiniEugenia jambolaaDarobby80-6024-30Syzygium cantiniEugenia jambolaaDarobby80-6030-45Syzygium cantiniEugenia jambolaaDarobby80-6080-42Gossium cantiniEugenia jambolaaBradt cherry30-409-12Rhodomytrus beckleriMyrnas AmeniadesWhite myrthe60-8018-24Gossiu amenoidesRhodiamia trinerviaThree-veined myrtle30-409-12Mchateca stratecasAlaidenca clacuadendronWhite true20-806-9Mchateca stratecasMalaidenca deucadendronWhite true20-802-4-30Exclusions alignusMalaidenca clacuadendronWhite grup80-002-4-30Fristenia cantinisKatalae ca clacuadendroWhite grup80-002-4-30Fristenia cantinisMalaidenca clacuadendroWhite grup80-002-4-30Fristenia cantinisMalaidenca clacuaden  | Eucaliptus sideroploia   | Ironbark              | 100-50  | 30-45 | Eucalyptus siderophloia               |  |  |
| Euccliptics solignaGrey gum100-5030-45Euccliptics analignaEuccliptics robustaMahogany100-5030-45Euccliptics analysidatinaEuccliptics robustaSpotted gum80-2024-37Corrwhise analysidatinaEuccliptics corymbosaBloodwood70-2021-37Corrwhise analysidatinaEuccliptica neuclaticWater gum70-9021-27Szyzgitim contrilEagenia fambolanaDurobby80-0024-30Szyzgitim contrilEagenia fambolanaDurobby80-0024-30Szyzgitim contrilEagenia fambolanaDurobby80-0024-30Szyzgitim contrilEagenia fambolanaDurobby80-0024-30Szyzgitim contrilEagenia famyriffoliaBrash cherry30-809-24Szyzgitim contrilHyrus ReckleriiMyrute60-8018-24Archirhdomyrus beckleriMyrus ReckleriiMyrute60-8018-24Archirhdomyrus beckleriRodamnia rinerviaThree-veined myrute30-409-12Riodomian ranescensRodauna archielesFine-leaved tea tree30-409-12Riodomian ranescensRobusta archielesFine-leaved tea tree30-409-12Riodomian ranescensRobusta archielesFine-leaved tea tree30-409-247Mailaeua armillarisSmall tea tree20-306-9Melaleuca treateriaRobusta archielesSubatistiSubatististististististististististististist  |                          |                       |         |       |                                       |  |  |
| Eucelipter somsjedalinaStringybark $80-50$ $24+45$ Eucelypter somsdaEucelipter somsdaSpottel gum $80-20$ $24-37$ Corynkia robustaEucelipter sortsomsdaBloodwood $70-20$ $21-37$ Corynkia robustaBackhousia myrifolia-4012Backhousia myrifoliaBackhousia myrifolia-4012Backhousia myrifoliaEugenia venenatiiWater gum $70-90$ $21-27$ Syzygium (BoribundumEugenia venenatiiWater gum $70-90$ $21-27$ Syzygium australeEugenia venenatiiBrush cherry $30-80$ $30-45$ Syzygium australeEugenia venenatiiMyrtus $60-80$ $18-24$ Achibrodomyrtus beckeriMyrtus BcckleriiMyrtus $60-80$ $18-24$ Calistemon salignusBroad-Leaved tea tree $30-40$ $9-12$ Rholannia rubercensAladiauca icucadandronWhite myrtle $60-80$ $18-24$ Calistemon salignusBroad-Leaved tea tree $30-40$ $9-12$ Metaleaca incudentraMalaleaca andilarisBroad-Leaved tea tree $30-40$ $9-12$ Metaleaca incudentraMalaleaca andilarisStanal tea tree $20-30$ $6-9$ Metaleaca incudentraMalaleaca andilarisStanal tea tree $20-30$ $6-9$ Metaleaca incudentraMalaleaca andilarisStanat $80-20$ $24-430$ Triatania neritfoliaCalistemon and and stana and tea tree $20-30$ $6-9$ Metaleaca incudentraMalaleaca a   |                          |                       |         |       |                                       |  |  |
| Euceliptor nobustaMahogany $100-50$ $30-45$ Euceliptor scorymboxaEuceliptor scorymboxaBloodwood $70-20$ $21-37$ Corymbia maculataEuceliptor scorymboxaBloodwood $70-20$ $21-37$ Corymbia maculataEnceliptor scorymboxaBloodwood $70-20$ $21-37$ Szyrgiun formudamEngenia jambolanaDurobby $80-00$ $21-27$ Szyrgiun acustraleEngenia in myrtifoliaBrwsh cherry $30-80$ $9-24$ Szyrgiun acustraleEngenia myrtifoliaBrwsh cherry $30-80$ $9-24$ Archirhodomyrtus beckleriMyrus BeckleriiMyrus Becklerii $00-50$ $30-45$ $70-80$ Engenia myrtifoliaBroad-leaved tea tree $60-80$ $18-24$ Archirhodomyrtus beckleriMyrus AcmenioldesThree-veined myrtle $60-80$ $18-24$ Archirhodomyrtus beckleriMalalenca stypheltioldesFine-leave tea tree $50-80$ $15-24$ Melalenca stypheltioldesMalalenca stypheltioldesSmall tar tree $20-30$ $6-9$ Melalenca armillarisTristania suvolensSmall tar tree $20-30$ $6-9$ Melalenca armillarisTristania suvolensSwamp mabgany $80-20$ $24-37$ Laphostemon suveolensTristania suvolensSwamp mabgany $80-20$ $24-37$ Laphostemon suveolensTristania suvolensSwamp mabgany $80-20$ $24-37$ Laphostemon suveolensTristania suvolensSwamp mabgany $80-00$ $24-30$ Findersia astralis <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>   |                          |                       |         |       |                                       |  |  |
| Eucciptus oncudateSpotted gum80-2024-37Corpshiba gumufferaBiodvood70-2021-37Corpshiba gumufferaBackhousia myrtifolia-4012Backhousia myrtifoliaEugenia janbolanaDurobby80-0021-27Syzygium foribundumEugenia janbolanaDurobby80-0021-37Syzygium cunititEugenia myrtifoliaBrush cherry30-8030-45Myrus BeckferiiMyrite60-8018-24Gossia acrenoidesMyrus MeckferiiMyrite60-8018-24Gossia acrenoidesRhodannia trinerviaThree-veined myrtife30-409-12Rhodannia trineveinaRhodannia trinerviaThree-veined myrtife30-409-12Rhodannia trinevecensAdalateca cleucadendronWhite myrtle30-409-12Melaleuca leucadendroMalaleuca tristeniaSmall tea tree30-409-12Melaleuca leucadendroMalaleuca armillarisSmall tea tree20-306-9Melaleuca leucadendroMalaleuca armillarisSmall tea tree20-304-40Laphostemon conferusTristania carifoliaWater gum80-0024-30Frinata acrifilaCedrela AustralisRed codar100-6030-4970Filmdersia SchottianaBogun80-0024-30Filmdersia xanhoxylaFilmdersia Congery80-0024-30Filmdersia xanhoxylaFilmdersia SchottianaBogun80-0024-30Filmdersia schottianaFilmd  |                          |                       |         |       |                                       |  |  |
| Eucclipus corymbosaBiodavoad $70-20$ $21-37$ Corymbia gammiferaBackhousia myrifiolia-4012Backhousia myrifioliaEugenia jambohanDurobby $80-00$ $21-27$ Syrygium cuminiEugenia jambohanDurobby $80-00$ $24-30$ Syrygium cuminiEugenia myrifioliaBrush cherry $30-80$ $9-24$ Syrygium cuminiEugenia myrifioliaMyrus $60-80$ $18-24$ Archirhodomyrtus beckleriMyrus ReckleriiMyrus $60-80$ $18-24$ Archirhodomyrtus beckleriMyrus ReckleriiMyrus $60-80$ $18-24$ Archirhodomyrtus beckleriMyrus ReckleriiThree-veined myrtle $60-80$ $18-24$ Archirhodomyrtus beckleriGalistemon salignusBroad-leaved tea tree $60-80$ $18-24$ Archirhodomyrtus beckleriMaialenca styphelioldesSmall tea tree $20-30$ $6-9$ Melalenca armillarisMaialenca styphelioldesSmall tea tree $20-30$ $6-9$ Melalenca armillarisTristania auxolensSmalu tea tree $20-30$ $24-40$ Laphostemon susvelensTristania confertaBastard box $80-30$ $24-40$ Laphostemon susvelensTristania suxolensRed cedar $100-60$ $30-49$ $72$ Flindersia GreevaaiBulbura $100-60$ $30-49$ $72$ Flindersia GreevaaiBulbura $100-60$ $30-49$ $72$ Flindersia GreevaaiBulbura $100-60$ $30-49$ $72$ Flinde   | -                        |                       |         |       |                                       |  |  |
| Backhowia myrifjölia-4012Backhowia myrifjöliaEugenia jambolanaDurobby80-0024-30Syzysium (unimiEugenia jambolanaDurobby80-0024-30Syzysium cuminiEugenia jambolanaDurobby80-0024-30Syzysium cuminiEugenia myrifjöliaBrush cherry30-8030-45Myrus MacheniolaesWhite myrtle60-8018-24Archirhodomyrus beckleriMyrus AceneoidaesThree-veined myrtle30-409-12Rhodamyrus beckleriRhodamnia trinerviaThree-veined myrtle30-409-12Melaleuca leucademsMalaleuca leucadendronWhite taree20-306-9Melaleuca armillarisTristamia confertaBasatad box80-3024-40Lophostennon confertusTristamia confertaBasatad box80-3024-40Lophostennon confertusTristamia confertaBubara100-6030-49?ona cellitatCedreia AustralisCudgery80-0024-30Flindersia castralisCedreia AustralisCudgery80-0024-30Flindersia castralisFilmdersia ChevanaYellow wood80-0024-30Flindersia schoritanaFilmdersia SchoritanaBogun80-0024-30Flindersia schoritanaFilmdersia SchoritanaBogun80-0024-30Flindersia schoritanaFilmdersia ChevanaWhite wood80-0024-30Flindersia schoritanaFilmdersia ChevanaHoliw wood80-0024-30 <td>1</td> <td>1 0</td> <td></td> <td></td> <td></td>   | 1                        | 1 0                   |         |       |                                       |  |  |
| Engenia ventenariiWater gum70-9021-27Syzygium (univital<br>Byzygium (univital<br>Byzygium (univital<br>Byzygium (univital<br>Byzygium (univital)Eugenia anyrifoliaDurobby80-0024-30Syzygium (univital)<br>Byzygium (univital)Eugenia anyrifoliaBrush cherry30-409-24Syzygium (univital)<br>Byzygium (univital)Hyrus BeckleriiMyrus BeckleriiMyrus (60-8018-24Gostia accentoideMyrus KarencioidesWhite myrule60-8018-24Calistemon salignusBroad-leaved tea tree60-8018-24Calistemon salignusMalaleuce stypelloidesFine-leaved tea tree50-8015-24Melaleuca alucadendraMalaleuce anvitai confertaBastard box80-3024-40Lophostemon sanvelensTristania confertaBastard box80-3024-43Tristania merifoliaTristania confertaBastard box80-0024-33Tristania merifoliaFindersia AustralisRed cedar100-6030-49??Findersia GreaveatiBulbura100-6030-49??Findersia AustralisCudgery80-0024-30Findersia australisFindersia AustralisCudgery80-0024-30Findersia australisFindersia AustralisCudgery80-0024-30Findersia australisFindersia AustralisCudgery80-0024-30Findersia australisFindersia AustralisCudgery80-0024-30Findersia australisFindersia Australis <td< td=""><td></td><td>_</td><td>40</td><td>12</td><td></td></td<>   |                          | _                     | 40      | 12    |                                       |  |  |
| Eugenia jombolanaDuroby80-0024-30Syzygim australeEugenia nyrrifoliaBrush cherry30-809-24Syzygim australeEugenia sp.Coolmin100-5030-45Myrus BeckleriiMyrute60-8018-24Archirhodomyrus beckleriMyrus AcomoioidesWhite myrtle60-8018-24Calisteron salignusRhodamnia trinerviaThree-veined myrtle30-409-12Rhodamira trinerviaMalateuca leacadandronWhite artee30-409-12Melaleuca asyphellioidesMalateuca acadandraBraad-teaved tea tree30-409-12Melaleuca acadindraMalateuca acadandraWhite artee20-306-9Melaleuca acadindraMalateuca acadandraBastard box80-3024-40Lophostemon suaveolensTristania nerifoliaWater gum80-0024-30Tristania artifoliaCarleta AustralisRed cedar100-6030-49??Findersia CaveariiBulbura100-6030-49??Findersia CaveariiBulbura100-6030-49??Findersia ChotinanMogun80-0024-30Findersia schotinaFindersia ChotinanMogun80-0024-30Findersia schotinaFindersia ChotinanBogun80-0024-30Findersia schotinaFindersia ChotinanBogun80-0024-30Findersia schotinaMysoxylon rightRescraturalisFindersia SchotinanDysoxylum multisimumDysoxylon righ   |                          | Water gum             | 70-90   | 21-27 |                                       |  |  |
| Eugenia myrifolia<br>Eugenia sp.Brush cherry<br>Coomin30-45<br>30-45Syrgium australeEugenia sp.Coomin100-5030-45Myrtus BeckleriiMyrtle60-8018-24Archirhodmyrtus beckleriMyrtus BeckleriiThree-veined myrtle30-409-12Rhodamnia rubescensCalitstemon salignusBroad-leaved tea tree60-8018-24Calitstemon salignusMalaleuca StyphellioidesFine-leaved tea tree50-8015-24Melaleuca styphellioidesMalaleuca StyphellioidesSmall tea tree20-306-9Melaleuca armillarisTristania confertaBastard box80-3024-40Lophostemon salueolensTristania confertaBastard box80-3024-30Tristania nerifoliaCedreia AustralisRed cedar100-6030-49??Filmdersia CreaveaiiBulbura100-6030-49??Filmdersia CreaveaiiBulbura100-6030-49??Filmdersia ColegunaYellow wood80-0024-30Filmdersia schotlinanFilmdersia SchotlinanWhite wood80-0024-30Filmdersia schotlinanDysocylon fraseranumRosewood80-10024-30Jisoxylum multisimumDysocylon fraseranumRosewood80-10024-30Dysoxylum multisimumDysocylon fraseranumRosewood80-10024-30Dysoxylum multisimumDysocylon fraseranumRosewood80-10024-30Dysoxylum multisimumDysocylon fraseranumR   | Eugenia jambolana        | U                     | 80-00   | 24-30 |                                       |  |  |
| Engenia sp.Coolmin100–5030–45Myrtus BeckleriiMyrtus Horn60–8018–24Archirhodomyrtus beckleriMyrtus AcmenioidesWhite myrtle60–8018–24Gossia acmenoidesRhodamnia trinerviaThree-veined myrtle30-409–12Rhodamnia tribescensCallistemo salignusBroad-leaved tea tree60–8018–24Callistemo salignusMalaleuca leacadendronWhite tea tree30-409–12Melaleuca atruphetioidesMalaleuca leacadendronWhite tea tree20-306–9Melaleuca atruillarisTristamia confertaBastard box80-3024-40Lophostemon confertusTristamia onfertaBastard box80-3024-34Callistemo saleoelensTristamia confertaBulbura100-6030-49Tristamia configitaCedrela AustralisRed cedar100-6030-49Tristamia configitaFlindersia CraveetiiBulbura100-6030-49Flindersia contaitaFlindersia CraveetiiBulbura100-6024-30Flindersia contaitaFlindersia CraveetiiBulbura80-0024-30Flindersia contaitaFlindersia CraveetiiBogun80-0024-30Flindersia contaitaFlindersia CraveetiiPencilwood80-10024-30Flindersia contaitaFlindersia CraveetiiPencilwood80-10024-30PisovoltamonPysovylon MulleriiPencilwood80-10024-30Dysovylam mollistimanPysovylon Mullerii <td></td> <td>Brush cherry</td> <td>30-80</td> <td>9-24</td> <td></td>   |                          | Brush cherry          | 30-80   | 9-24  |                                       |  |  |
|  |                          | Coolmin               | 100-50  | 30-45 |                                       |  |  |
| Rhodamia trinerviaThree-veined myrtle $30-40$ $9-12$ Rhodamia rubescensCalisremo salignusBroad-leved tea tree $30-40$ $9-12$ Melaleuca astignusMalaleuca ieucadendromWhite tea tree $50-80$ $15-24$ Melaleuca ieucadendraMalaleuca ieucadendromWhite tea tree $20-80$ $6-9$ Melaleuca ieucadendraMalaleuca ieucadendromSmall tea tree $20-80$ $6-9$ Melaleuca ieucadendraTristania auvolensSwamp mahogany $80-20$ $24-37$ Lophostemon confertusTristania auvolensSwamp mahogany $80-20$ $24-37$ Lophostemon suevolensTristania auvolensRed cedar $100-60$ $30-49$ $70$ cona citiataFlindersia AustralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia AustralisCudgery $80-00$ $24-30$ Flindersia schottianaFlindersia SchottianaWhite wood $80-00$ $24-30$ Flindersia schottianaDysocylon FraseranumRosewood $80-100$ $24-30$ Flindersia schottianaDysocylon fraseranumRosewood $80-100$ $24-30$ Dysocylum fraserianumDysocylon rufum- $40-50$ $12-15$ Dysocylum fraserianumDysocylon rufum- $12-15$ Dysocylum rufumMelia compositeWhite cedar $40-60$ $9-12$ $??$ Recacia CuminghaniiBaatard myall $30-40$ $9-12$ $??$ Retacia Sca cosa boxHandlesMonotoce elliptica $Monotoce e$  |                          | Myrtle                | 60-80   | 18-24 | Archirhodomyrtus beckleri             |  |  |
| Rhodamia trinerviaThree-veined myrtle $30-40$ $9-12$ Rhodamia rubescensCalisremo salignusBroad-leved tea tree $30-40$ $9-12$ Melaleuca astignusMalaleuca ieucadendromWhite tea tree $50-80$ $15-24$ Melaleuca ieucadendraMalaleuca ieucadendromWhite tea tree $20-80$ $6-9$ Melaleuca ieucadendraMalaleuca ieucadendromSmall tea tree $20-80$ $6-9$ Melaleuca ieucadendraTristania auvolensSwamp mahogany $80-20$ $24-37$ Lophostemon confertusTristania auvolensSwamp mahogany $80-20$ $24-37$ Lophostemon suevolensTristania auvolensRed cedar $100-60$ $30-49$ $70$ cona citiataFlindersia AustralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia AustralisCudgery $80-00$ $24-30$ Flindersia schottianaFlindersia SchottianaWhite wood $80-00$ $24-30$ Flindersia schottianaDysocylon FraseranumRosewood $80-100$ $24-30$ Flindersia schottianaDysocylon fraseranumRosewood $80-100$ $24-30$ Dysocylum fraserianumDysocylon rufum- $40-50$ $12-15$ Dysocylum fraserianumDysocylon rufum- $12-15$ Dysocylum rufumMelia compositeWhite cedar $40-60$ $9-12$ $??$ Recacia CuminghaniiBaatard myall $30-40$ $9-12$ $??$ Retacia Sca cosa boxHandlesMonotoce elliptica $Monotoce e$  | Myrtus Acmenioides       | White myrtle          | 60-80   | 18-24 | Gossia acmenoides                     |  |  |
| Malaleuca styphellioidesFine-leaved tea tree $30-40$ $9-12$ Melaleuca styphelioidesMalaleuca leucadendronWhite tea tree $50-80$ $15-24$ Melaleuca armillarisTristania confertaBastard box $80-30$ $24+40$ Lophostemon confertusTristania auxolensSwamp mahogany $80-20$ $24-37$ Lophostemon suaveolensTristania auxolensSwamp mahogany $80-20$ $24-37$ Lophostemon suaveolensCedrela AustralisRed cedar $100-60$ $30-49$ Tristania neriifoliaCedrela AustralisCudgery $80-00$ $24-30$ Flindersia cantralisFlindersia CaleganaYellow wood $80-00$ $24-30$ Flindersia cantralisFlindersia AustralisCudgery $80-00$ $24-30$ Flindersia cantralisFlindersia AustralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia AustralisBogum $80-100$ $24-30$ Flindersia australiaPysoxylon FraseranumRosewood $80-100$ $24-30$ Pysoxylum mollissimumPysoxylon fraseranumRosewood $80-100$ $24-30$ Pysoxylum mollissimumPysoxylon rufum- $40-60$ $12-18$ Mela acedarachAcacia duacescens- $50-70$ $15-21$ Acacia trinervataAcacia duacescens- $50-70$ $15-21$ Acacia trinervataCastanospermum ducturesGreen wattle $30-40$ $9-12$ ??Castanospermum dustraleGreen wattle $30-40$ $9-12$ <   | Rhodamnia trinervia      |                       | 30-40   | 9-12  | Rhodamnia rubescens                   |  |  |
| Malaleuca lencadendronWhite tea tree $50-80$ $15-24$ Melaleuca lencadendraMalaleuca armillarisSmall tea tree $20-30$ $6-9$ Melaleuca armillarisTristania confertaBastard box $80-30$ $24-40$ Lophostemon confertusTristania confertaBastard box $80-30$ $24-40$ Lophostemon confertusTristania enrifoliaWater gum $80-00$ $24-30$ Tristania enrifoliaCedrela AustralisRed cedar $100-60$ $30-49$ ?Flindersia GreaveaiiBulbura $100-60$ $30-49$ ?Flindersia AustralisCadgery $80-00$ $24-30$ Flindersia caustralisFlindersia AustralisCudgery $80-00$ $24-30$ Flindersia schottianaFlindersia FennetianaBogum $80-00$ $24-30$ Dysoxylum fraserianumDysoxylon rageranumRosewood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon rafum- $40-50$ $12-18$ Melia acedarachAcacia glaucescens- $50-70$ $15-21$ Acacia tinervitaCastanospernum AustraleBeantree $100-130$ $30-40$ Castanospernum australeCastanospernum AustraleBeantree $100-150$ $30-45$ Shoanea australisEchinocargus AustralisJleu wood $30-50$ $9-15$ Pararchidendron pruinosumMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaSonace AustralisBlue peach $50-80$ $15-24$ Elaeocadrona ustrale <t< td=""><td>Callistemon salignus</td><td>Broad-leaved tea tree</td><td>60-80</td><td>18-24</td><td>Callistemon salignus</td></t<>  | Callistemon salignus     | Broad-leaved tea tree | 60-80   | 18-24 | Callistemon salignus                  |  |  |
| Malaleuca armillarisSmall tea tree20-306-9Melaleuca armillarisTristania acorifertaBastard box80-3024-40Lophostemon succelansTristania averiljoliaWater gum80-2024-37Lophostemon succelansTristania averiljoliaWater gum80-0024-30Tristania arriljoliaCedrela AustralisRed cedar100-6030-4970Flindersia AustralisCudgery80-0024-30Flindersia australisFlindersia AustralisCudgery80-0024-30Flindersia schottianaFlindersia SchottianaWhite wood80-0024-30Flindersia schottianaDysoxylon FraseranumRosewood80-10024-30Dysoxylum fraserianumDysoxylon fraseranumRosewood80-10024-30Dysoxylum fraserianumDysoxylon fraim-40-5012-15Dysoxylum rufiimAcacia CuninghamiiBastard myall30-409-12Acacia trinervataAcacia glaucescens-50-7015-21Acacia binerviaCastanospermum AustraleBeantree100-13030-40Castanospermum australeCastanospermum dustraleSea coast boxHandlesMonotoca ellipticaSloanea AustralisMaider's blush30-409-12Sloanea AustralisEl?'ocarpus grandisBue peach50-8015-24Calitine's counsultaSloanea AustralisMaider's blush30-409-12Sloanea AustralisEl?'ocarpus grandisBue peach <t< td=""><td>Malaleuca styphellioides</td><td>Fine-leaved tea tree</td><td>30-40</td><td>9-12</td><td>Melaleuca styphelioides</td></t<>   | Malaleuca styphellioides | Fine-leaved tea tree  | 30-40   | 9-12  | Melaleuca styphelioides               |  |  |
| Tristania confertaBastard box $80-30$ $24-40$ Lophostemon confertusTristania envolensSwamp mahogany $80-20$ $24-37$ Lophostemon suaveolensTristania envijoliaWater gum $80-00$ $24-30$ Tristania envijoliaCedrela AustralisRed cedar $100-60$ $30-49$ ??Flindersia AnstralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia AnstralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia AnstralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia SchottianaWhite wood $80-00$ $24-30$ Flindersia schottianaDysoxylon FraxeranumRosewood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon fulientPencilwood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon fulientPencilwood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon fulientPencilwood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon fulientBastard myall $30-40$ $9-12$ Acacia trinervataAcacia CunninghamiiBastard myall $30-40$ $9-12$ Acacia trinervataAcacia glaucescens- $50-70$ $15-21$ Acacia binerviaCastanospermum AustraleGreen wattle $30-40$ $9-12$ ??Castanospermum decurrensGreen wattle $30-40$ $9-12$ ??Prithecolobium prainosumA yellow wood $30-55$ Araccia cunninghamii<  | Malaleuca leucadendron   | White tea tree        | 50-80   | 15-24 | Melaleuca leucadendra                 |  |  |
| Tristania savolensSwamp mahogany80–2024-37Lophostemon suaveolensTristania neriifoliaWater gum80–0024-30Tristania neriifoliaCedrela AustralisRed cedar100–6030-49Toona clitataFlindersia AustralisBulbura100–6030-49??Flindersia AustralisCudgery80–0024-30Flindersia australisFlindersia OxleyanaYellow wood80–0024-30Flindersia schottianaFlindersia SchottianaBogum80–0024-30Flindersia schottianaDysoxylon fraseranumRosewood80–10024-30Dysoxylum rofismumDysoxylon fraseranumRosewood80–10024-30Dysoxylum rofismumDysoxylon rulium-40–5012–15Dysoxylum ruliumMetia compositeWhite cedar40–6012–18Metia acatarachAcacia CuninghamiBastard myall30–409–12Acacia trinervataAcacia glaucescens-50-7015–21Acacia binerviaCastanospermum decurrensGreen wattle30–409–12??Monotoca ellipticaSea coast boxHandlesMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaSea coast box15–24Calitris columellarisSlonea AustralisMaider's blush30–409–12Slonea Australis16/20Slonea AustralisMaider's blush30–409–12Slonea Australis<   | Malaleuca armillaris     | Small tea tree        | 20-30   | 6–9   | Melaleuca armillaris                  |  |  |
| $ \begin{array}{cccc} Tristania neriifolia \\ Cedrela Australis \\ Red cedar \\ Red cedar \\ Red cedar \\ 100-60 \\ 30-49 \\ Tristania neriifolia \\ Tristania neriifolia \\ Red cedar \\ 100-60 \\ 30-49 \\ Tristania neriifolia \\ Tristania neriifolia \\ Red cedar \\ 100-60 \\ 30-49 \\ Tristania neriifolia \\ Tristania neriifolia \\ Red cedar \\ 100-60 \\ 30-49 \\ Tristania Australis \\ Cudgery \\ 80-00 \\ 24-30 \\ Flindersia australis \\ Flindersia australis \\ Cudgery \\ 80-00 \\ 24-30 \\ Flindersia australis \\ Flindersia Schottiana \\ White wood \\ 80-00 \\ 24-30 \\ Flindersia bennettiana \\ Bogum \\ 80-00 \\ 24-30 \\ Flindersia bennettiana \\ Dysoxylon Traseranum \\ Rosewood \\ 80-100 \\ 24-30 \\ Dysoxylon rufiam \\ - \\ 40-50 \\ 12-18 \\ Melia azedaracch \\ Acacia Cunninghamii \\ Bastard myall \\ 30-40 \\ 9-12 \\ Acacia tinnervata \\ Acacia glaucescens \\ - \\ 50-70 \\ 15-21 \\ Acacia binervia \\ Castanospermum Australe \\ Gastanospermum Australe \\ Castanospermum Australe \\ Castanospermum Australe \\ Beantree \\ 100-130 \\ 30-40 \\ 9-12 \\ 7? \\ Pithecolobium pruinosum \\ A yellow wood \\ 30-50 \\ 9-15 \\ Pararchidenton pruinosum \\ Monotoca elliptica \\ Castanospermum australe \\ Castanospermum Australe \\ Echinocarpus Australis \\ - \\ 100-150 \\ 30-45 \\ Sloanea Australis \\ Frenela columnaris \\ Cypress pine \\ 100-150 \\ 30-45 \\ Sloanea Australis \\ Frenela columnaris \\ Cypress pine \\ 100-180 \\ 30-50 \\ 9-12 \\ Sloanea Australis \\ Silky oak \\ 60-80 \\ 15-24 \\ Calierocarpus salignus \\ See coast box \\ Handles \\ Monotoca elliptica \\ Sloanea Australis \\ Silky oak \\ 60-80 \\ 15-24 \\ Calierocarpus salignus \\ See acoast box \\ Sloanea Australis \\ Silky oak \\ 60-80 \\ 18-24 \\ Caracaria cunninghamii \\ Frenela columnaris \\ Cypress pine \\ 50-80 \\ 15-24 \\ Calierocarpus salignus \\ See acoast box \\$ | Tristania conferta       |                       | 80-30   |       |                                       |  |  |
| Cedrela AustralisRed cedar100-60 $30-49$ Toona ciliataFlindersia GreaveaiiBulbura $100-60$ $30-49$ ??Flindersia ColzevaniBulbura $100-60$ $30-49$ ??Flindersia SchottianaYellow wood $80-00$ $24-30$ Flindersia a sunthoxylaFlindersia BennettianaBogum $80-00$ $24-30$ Flindersia schottianaDysoxylon FraseranumRosewood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon rufum- $40-50$ $12-15$ Dysoxylum mollissimumDysoxylon rufum- $40-50$ $12-15$ Dysoxylum mollissimumDysoxylon rufum- $40-50$ $12-15$ Dysoxylum rufumMelia compositeWhite cedar $40-60$ $12-18$ Acacia trinervataAcacia CaninghamiiBastard myall $30-40$ $9-12$ Acacia trinervataAcacia Glaucescens- $50-70$ $15-21$ Acacia binerviaCastanospermum AustraleBeantree $100-150$ $30-40$ Castanospermum australeCastanospermum decurrensGreen wattle $30-40$ $9-12$ ??Monotoca ellipticaSea coast boxHandlesMonotoca ellipticaElcodendron AustralisMaiden's blush $30-40$ $9-12$ Sloanea australisSloanea AustralisMaiden's blush $30-40$ $9-12$ Sloanea australisElcodendron Australe- $30$ $9$ Elaeodendron australeElcodendron Australe- $30$ $9$ El  | Tristania suavolens      | Swamp mahogany        | 80-20   |       |                                       |  |  |
| Flindersia GreaveaiiBulbura100-60 $30-49$ ??Flindersia AustralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia SchottianaYellow wood $80-00$ $24-30$ Flindersia australisFlindersia SchottianaWhite wood $80-00$ $24-30$ Flindersia bennettianaDysoxylor TraseranumRosewood $80-100$ $24-30$ Dysoxylum rafia bennettianaDysoxylor TraseranumRosewood $80-100$ $24-30$ Dysoxylum rafiaDysoxylor rafiam- $40-50$ $12-18$ Melia azedarachAcacia CunninghamiiBastard myall $30-40$ $9-12$ Acacia binerviaAcacia glaucescens- $50-70$ $15-21$ Acacia binerviaCastanospermum AustraleBeantree $100-130$ $30-40$ Castanospermum australeCastanospermum decurrensGreen wattle $30-40$ $9-12$ ??Pithecolobium prainosumA yellow wood $30-50$ $9-15$ Pararchidendron prainosumMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaEl?ocarpus grandisBlue peach $50-80$ $15-24$ Elaeocarpus grandisSloanea Australis- $30-40$ $9-12$ Sloanea AustralisElcodendron Australe- $30$ $9$ Elaeocarpus grandisSloanea AustralisBue peach $50-80$ $15-24$ Calliris columendentiaGrevillea robustaSilky oak $60-80$ $18-24$ Grevillea robustaGrevillea robusta  | Tristania neriifolia     | Water gum             | 80-00   | 24-30 | Tristania neriifolia                  |  |  |
| Flindersia AustralisCudgery $80-00$ $24-30$ Flindersia australisFlindersia CxleyanaYellow wood $80-00$ $24-30$ Flindersia canthoxylaFlindersia SchottianaWhite wood $80-00$ $24-30$ Flindersia chottianaFlindersia BennettianaBogum $80-00$ $24-30$ Flindersia chottianaDysoxylon FraseranumRosewood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon rufum- $40-50$ $12-15$ Dysoxylum rufumDysoxylon rufum- $40-50$ $12-15$ Dysoxylum rufumAcacia CunninghamiiBastard myall $30-40$ $9-12$ Acacia trinervataAcacia GuninghamiiBastard myall $30-40$ $2-12$ Acacia binerviaCastanospermum decurrensGreen wattle $30-40$ $2-12$ $2?$ Pithecolobium pruinosumA yellow wood $30-50$ $9-15$ Pararchidendron pruinosumMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaElcohencorpus Australis- $100-150$ $30-45$ Sloanea australisElcodendron Australe- $30$ $9$ Elacodendron australeFrenela columnarisCypress pine $50-80$ $15-24$ Elacocarpus salignuitsSloanea Australis- $80-100$ $4-30$ Stenocarpus salignuitsFrenela columnarisCypress pine $50-80$ $15-24$ Elacodendron australeFrenela columnarisCypress pine $50-80$ $15-24$ Elacodendron australis <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>   |                          |                       |         |       |                                       |  |  |
| Flindersia OxleyanaYellow wood $80-00$ $24-30$ Flindersia santhoxylaFlindersia SchottianaWhite wood $80-00$ $24-30$ Flindersia schottianaDysoxylon FraseranumRosewood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon MulleriiPencilwood $80-100$ $24-30$ Dysoxylum fraserianumDysoxylon rafin- $40-50$ $12-15$ Dysoxylum mollissimunMelia compositeWhite cedar $40-60$ $12-18$ Melia azedarachAcacia CunninghamiiBastard myall $30-40$ $9-12$ Acacia trinervataAcacia glaucescens- $50-70$ $15-21$ Acacia binerviaCastanospermum AustraleBeantree $100-130$ $30-40$ Castanospermum australeCastanospermum decurrensGreen wattle $30-40$ $9-12$ ??Pithecolobium pruinosumA yellow wood $30-50$ $9-15$ Paratrikied montosaMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaScloarea Australis- $100-150$ $30-45$ Sloanea australisEl??ocarpus grandisBlue peach $50-80$ $15-24$ Elaeocarpus grandisSloanea AustralisMaiden's blush $30-40$ $9-12$ Sloanea AustralisElcodendron Australe- $30$ $9$ Elaeocarpus grandisSloanea AustralisBue peach $50-80$ $15-24$ Calitris columellarisGreen usinghamiiMoreton Bay pine $100-180$ $30-55$ Araucaria cunninghamii<  |                          |                       |         |       |                                       |  |  |
| Flindersia SchottianaWhite wood $\$0-00$ $24-30$ Flindersia schottianaFlindersia BennettianaBogum $\$0-00$ $24-30$ Flindersia bennettianaDysoxylon FraseranumRosewood $\$0-100$ $24-30$ Dysoxylum fraserianumDysoxylon MulleriiPencilwood $\$0-100$ $24-30$ Dysoxylum rafiumDysoxylon fufum- $40-50$ $12-15$ Dysoxylum rafiumMelia compositeWhite cedar $40-60$ $12-18$ Melia azedarachAcacia CunninghamiiBastard myall $30-40$ $9-12$ Acacia trinervataAcacia glaucescens- $50-70$ $15-21$ Acacia binerviaCastanospermum AustraleBeantree $100-130$ $30-40$ Castanospermum australeCastanospermum decurrensGreen wattle $30-40$ $9-12$ ??Pithecolobium pruinosumA yellow wood $30-50$ $9-15$ Pararchidendron pruinosumMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaEchinocarpus AustralisMaiden's blush $30-40$ $9-12$ Sloanea AustralisElcodendron Australe- $30$ $9-15$ Sloanea AustralisElcodendron Australe- $30-40$ $9-12$ Sloanea AustralisElcodendron Australe- $30$ $9-12$ Sloanea AustralisSloanea AustralisMaiden's blush $30-40$ $9-12$ Sloanea AustralisSloanea AustralisMaiden's blush $30-40$ $9-12$ Sloanea AustralisSleancarpus salig  |                          |                       |         |       |                                       |  |  |
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| Castanospermum decurrensGreen wattle30–409–12??Pithecolobium pruinosumA yellow wood30–509–15Pararchidendron pruinosumMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaEchinocarpus Australis–100–15030–45Sloanea australisEl?ocarpus grandisBlue peach50–8015–24Elaeocarpus grandisSloanea AustralisMaiden's blush30–409–12Sloanea AustralisElcodendron Australe–309Elaeodendron australeAracuaria CunninghamiiMoreton Bay pine100–18030–55Araucaria cunninghamiiGrevillea robustaSilky oak60–8018–24Callitris columellarisGrevillea robustaSilky oak60–8018–24Stenocarpus salignusStenocarpus salignusBeef wood60–8018–24Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphandra micranthaHarpullia pendulaTulip wood30–409–12Jagera pseudorhusAchras AustralisBlack apple60–10018–30Plachonella australisBarksia serrataHoneysuckle30–409–12Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisCupania pseudorhusLight yellow wood50–80<   | -                        |                       |         |       |                                       |  |  |
| Pithecolobium pruinosumA yellow wood30–509–15Pararchidendron pruinosum<br>Monotoca ellipticaMonotoca ellipticaSea coast boxHandlesMonotoca ellipticaEchinocarpus Australis–100–15030–45Sloanea australisEl??ocarpus grandisBlue peach50–8015–24Elaeocarpus grandisSloanea AustralisMaiden's blush30–409–12Sloanea AustralisElcodendron Australe–309Elaeodendron australeAracuaria CunninghamiiMoreton Bay pine100–18030–55Aracuaria cunninghamiiFrenela columnarisCypress pine50–8015–24Callitris columellarisStenocarpus sinuatus–80–10024–30Stenocarpus sinuatusStenocarpus sinuatus–80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9012–27Daphandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhus <td></td> <td></td> <td></td> <td></td> <td></td>   |                          |                       |         |       |                                       |  |  |
| Monotoca ellipticaSea coast boxHandlesMonotoca ellipticaEchinocarpus Australis-100-15030-45Sloanea australisEl??ocarpus grandisBlue peach50-8015-24Elaeocarpus grandisSloanea AustralisMaiden's blush30-409-12Sloanea AustralisElcodendron Australe-309Elaeodendron australeAracuaria CunninghamiiMoreton Bay pine100-18030-55Araucaria cunninghamiiFrenela columnarisCypress pine50-8015-24Callitris columellarisGrevillea robustaSilky oak60-8018-24Grevillea robustaStenocarpus salignusBeef wood60-8018-24Stenocarpus salignusStenocarpus sinuatus-80-10024-30Stenocarpus sinuatusBanksia serrataHoneysuckle30-509-15Banksia serrataDoryphora sassafrasSasafras70-8021-24Doryphora sassafrasDaphandra micranthaLight yellow wood70-9021-27Daphandran micranthaHarpullia pendulaTulip wood30-409-12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60-9018-27Diploglottis australisCupania pseudorhusLight yellow wood50-8015-24Jagera pseudorhusAchras AustraliasBlack apple60-10018-30Planchonella australisBer?ali?ia sp90-10027-30Alphitonia excelsaCryptocarya glauceacensLaure   | 1                        |                       |         |       |                                       |  |  |
| Echinocarpus Australis-100–15030–45Sloanea australisEl??ocarpus grandisBlue peach50–8015–24Elaeocarpus grandisSloanea AustralisMaiden's blush30–409–12Sloanea AustralisElcodendron Australe-309Elaeodendron australeAracuaria CunninghamiiMoreton Bay pine100–18030–55Araucaria cunninghamiiFrenela columnarisCypress pine50–8015–24Callitris columellarisGrevillea robustaSilky oak60–8018–24Grevillea robustaStenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSasafras70–8021–27Daphandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras Au   |                          | 5                     |         | 9–15  |                                       |  |  |
| El??ocarpus grandisBlue peach50–8015–24Elaeocarpus grandisSloanea AustralisMaiden's blush30–409–12Sloanea AustralisElcodendron Australe-309Elaeodendron australeAracuaria CunninghamiiMoreton Bay pine100–18030–55Araucaria cunninghamiiFrenela columnarisCypress pine50–8015–24Callitris columellarisGrevillea robustaSilky oak60–8018–24Grevillea robustaStenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsaCryptocarya glauceacens-70–10021–30Alphitonia excelsaCryptocarya obvata-80–10024–30Cryptocarya glaucescensCryptocarya obvata- </td <td></td> <td>Sea coast box</td> <td></td> <td>20.45</td> <td>· · · · · · · · · · · · · · · · · · ·</td>  |                          | Sea coast box         |         | 20.45 | · · · · · · · · · · · · · · · · · · · |  |  |
| Sloanea AustralisMaiden's blush30–409–12Sloanea AustralisElcodendron Australe–309Elaeodendron australeAracuaria CunninghamiiMoreton Bay pine100–18030–55Araucaria cunninghamiiFrenela columnarisCypress pine50–8015–24Callitris columellarisGrevillea robustaSilky oak60–8018–24Grevillea robustaStenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus–80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–409–12Doryphora sassafrasDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp.–90–10027–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina–8024Litsea breviumbellata ??   |                          |                       |         |       |                                       |  |  |
| Elcodendron Australe-309Elaeodendron australeAracuaria CunninghamiiMoreton Bay pine100–18030–55Araucaria cunninghamiiFrenela columnarisCypress pine50–8015–24Callitris columellarisGrevillea robustaSilky oak60–8018–24Grevillea robustaStenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??  |                          | 1                     |         |       |                                       |  |  |
| Aracuaria CunninghamiiMoreton Bay pine100–18030–55Araucaria cunninghamiiFrenela columnarisCypress pine50–8015–24Callitris columellarisGrevillea robustaSilky oak60–8018–24Grevillea robustaStenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusBarc'ali'a sp90–10027–30Marcella australisCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvata  |                          | Maiden's blush        |         |       |                                       |  |  |
| Frenela columnarisCypress pine50–8015–24Callitris columellarisGrevillea robustaSilky oak60–8018–24Grevillea robustaStenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphanandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30-Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??  |                          | -<br>Moraton Boy nina |         |       |                                       |  |  |
| Grevillea robustaSilky oak60–8018–24Grevillea robustaStenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphanadra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??  | -                        |                       |         |       |                                       |  |  |
| Stenocarpus salignusBeef wood60–8018–24Stenocarpus salignusStenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphanadra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??   |                          |                       |         |       |                                       |  |  |
| Stenocarpus sinuatus-80–10024–30Stenocarpus sinuatusBanksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphanadra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30-Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??   |                          | 5                     |         |       |                                       |  |  |
| Banksia serrataHoneysuckle30–509–15Banksia serrataDoryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphanadra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp.–90–10027–301Alphitonia excelsa–70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore8024Litsea breviumbellata ??  |                          |                       |         |       | 1 0                                   |  |  |
| Doryphora sassafrasSassafras70–8021–24Doryphora sassafrasDaphandra micranthaLight yellow wood70–9021–27Daphanadra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30-Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore8024Litsea breviumbellata ??  | *                        | Honevsuckle           |         |       |                                       |  |  |
| Daphandra micranthaLight yellow wood70–9021–27Daphnandra micranthaHarpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore8024Litsea breviumbellata ??  |                          | -                     |         |       |                                       |  |  |
| Harpullia pendulaTulip wood30–409–12Harpullia pendulaDiploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore8024Litsea breviumbellata ??  |                          |                       |         |       | · · ·                                 |  |  |
| Diploglottis CunninghamiiNative tamarind60–9018–27Diploglottis australisCupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??  | 1                        |                       |         |       |                                       |  |  |
| Cupania pseudorhusLight yellow wood50–8015–24Jagera pseudorhusAchras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??  |                          | 1                     |         |       |                                       |  |  |
| Achras AustraliasBlack apple60–10018–30Planchonella australisBer?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??  |                          |                       |         |       |                                       |  |  |
| Ber?ali?ia sp90–10027–30Alphitonia excelsa-70–10021–30Alphitonia excelsaCryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??   |                          |                       |         |       |                                       |  |  |
| Alphitonia excelsa-70-10021-30Alphitonia excelsaCryptocarya glauceacensLaurel80-10024-30Cryptocarya glaucescensCryptocarya obvataSycamore80-10024-30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??   |                          |                       |         |       |                                       |  |  |
| Cryptocarya glauceacensLaurel80–10024–30Cryptocarya glaucescensCryptocarya obvataSycamore80–10024–30Cryptocarya obvataTetranthera ferrugina-8024Litsea breviumbellata ??   | -                        | -                     |         |       | Alphitonia excelsa                    |  |  |
| Cryptocarya obvataSycamore80–10024–30Cryptocarya obovataTetranthera ferrugina-8024Litsea breviumbellata ??   | *                        | Laurel                |         |       | *                                     |  |  |
| Tetranthera ferrugina – 80 24 Litsea breviumbellata ??   |                          |                       |         |       |                                       |  |  |
| Weinmanni sp. Murraree 100–150 30–45 Pseudoweinmannia lachnocarpa  |                          | •                     | 80      | 24    |                                       |  |  |
|  | Weinmanni sp.            | Murraree              | 100-150 | 30-45 | Pseudoweinmannia lachnocarpa          |  |  |
| Grissois Benthemii – 100–120 30–37 Geissois benthamiana  | Grissois Benthemii       | -                     | 100-120 | 30–37 | Geissois benthamiana                  |  |  |

| Avicennia tomentose     |
|-------------------------|
| Gmelina Leichardtii     |
| Casaurina tennissima    |
| Casaurina quadrivalvis  |
| Baloghia lucida         |
| Bradleia Australis      |
| Cargillia pentamera     |
| Celtis op?ca            |
| Duboisra myoporoides    |
| Memecyclon sp.          |
| Myrsine varabilis       |
| Pittisporum undulatum   |
| Podocarpus spinulosus   |
| Tarrietia actinodendron |
| Tarrietia argyrodendron |
| Tarrietia Carronii      |
| Rhus rodanthema         |
|                         |

| Large mangrove           | 30-50   | 9-15  | Avicennia marina               |
|--------------------------|---------|-------|--------------------------------|
| Beech                    | 100-150 | 30-45 | Gmelina leichhardtii           |
| Forest oak               | 50-80   | 15-24 | Allocasuarina torulosa         |
| Swamp oak                | 40-90   | 12-27 | Allocasuarina verticillata     |
| Brush bloodwood          | 40      | 12    | Baloghia inophylla             |
| Red wood                 | 50-70   | 15-21 | ??                             |
| Black myrtle             | 80-100  | 24-30 | Diospyros pentamera            |
| _                        | 40-60   | 12-18 | ??                             |
| Cork wood                | 50      | 15    | Duboisia myoporoides           |
| Brush cherry, cobbinmuni | 60-80   | 18-24 | Memecylon sp. ??               |
| _                        | 20-50   | 6-15  | Myrsine variabilis             |
| _                        | 30-40   | 9-12  | Pittosporum undulatum          |
| Smooth bark pine         | 40-120  | 12-37 | Podocarpus spinulosus          |
| Stave wood               | 70-120  | 21-37 | ??                             |
| Iron wood                | 100-150 | 30-45 | ??                             |
| Byong                    | 100-150 | 30-45 | Argyrodendron trifoliolatum ?? |
| Dark yellow wood         | 50-80   | 15-24 | Rhodosphaera rhodanthema       |