

INSTRUCTIONS:

To use one of the following five keys:

- decide on the bark type of your specimen and select the appropriate key
- read the statements 1 and 1x which offer two alternatives
- choose the statement which is most appropriate to the tree you wish to identify
- read the two statements directly below the chosen statement, eg. 2 and 2x
- after choosing one, go to the statement directly below the chosen statement
- continue in this way until you reach the species name
- mature buds only should be used, measurements do not include stalks.

 = Koala Food Tree

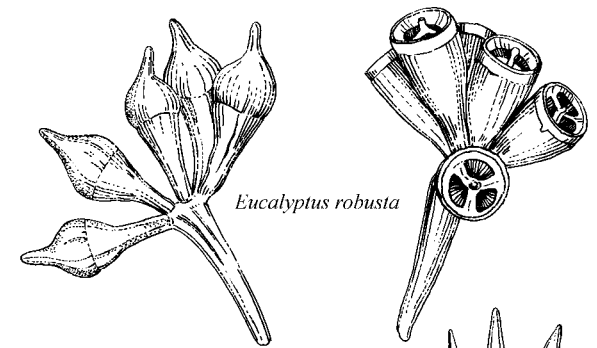
The Area covered by this key is between Mt Tamborine, Caboolture, Ipswich and Mt Glorious including the Moreton Bay Islands.

Flowering: Sum = Summer
Aut = Autumn, Win = Winter,
Spr = Spring

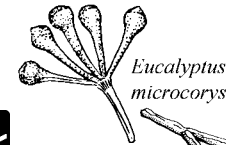
KEY1: FIBROUS AND STRINGY BARK

Bark rough and persistent throughout, fibrous, stringy or spongy, can be pulled off in strips or flakes

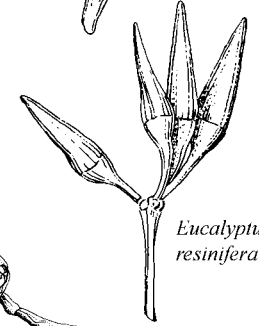
1. Leaves dark green above and distinctly paler below
 2. Leaves 3–8 cm wide; gum nuts with valves joined to each other at rim level (swampy wallum areas) (Aut-Win). *Eucalyptus robusta* swamp mahogany
 - 2x. Leaves 0.8–4 cm wide; gum nuts with valves separated from each other, protruding or otherwise
 3. Buds about 2 cm long, long-pointed; gum nuts with conspicuously protruding valves (Spr-Sum). *Eucalyptus resinifera* red mahogany, red stringybark
 - 3x. Buds less than 1 cm long, bluntly pointed or rounded; gum nuts with valves at or below rim level
 4. Bark reddish-brown, the outer bark with minute holes; buds rounded; gum nuts tapered at the base (Win-Spr) *Eucalyptus microcorys* tallowwood
 - 4x. Bark blackish, grey or yellowish, without holes; buds rounded or pointed; gum nuts hemispherical or globular, not tapered
 5. Bark blackish; buds rounded or slightly pointed; gum nuts c. 1.5 cm wide, globular (Sum). *Eucalyptus baileyana* Bailey’s stringybark
 - 5x. Bark grey or yellowish; buds pointed; gum nuts c. 0.6 cm wide, hemispherical (Spr-Sum) *Eucalyptus acmenoides* white mahogany, yellow stringybark
- 1x. Leaves the same colour on both sides
 6. Buds 2–3 cm long; gum nuts large, 1.5–2.5 cm long, distinctly ridged (Sum) *Eucalyptus planchoniana* needlebark, Planchon’s stringybark
 - 6x. Buds and gum nuts less than 1 cm long, not ridged
 7. Buds 7–11 mm long; leaf base mostly symmetrical
 8. Leaves bluish; gum-nuts with narrow rim (disc) (Spr) *Eucalyptus carnea*, white mahogany
 - 8x. Leaves green; gum-nuts with broad rim (disc) (Toohey forest only) (Spr-Sum) *Eucalyptus psammitica*
 - 7x. Buds 6–7 mm long; leaf base not symmetrical (oblique)
 9. Adult leaf silvery-grey; buds sessile (lacking stalks) (sedimentary and acid volcanic soils) (Aut-Win) *Eucalyptus tindaliae* Tindale’s stringybark
 - 9x. Adult leaf green; buds on short stalks (basalt soils, Mt. Glorious, Mt. Tamborine) (Sum) *Eucalyptus eugenioides* white stringybark



Eucalyptus robusta



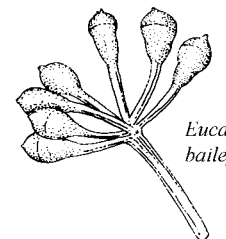
Eucalyptus microcorys



Eucalyptus resinifera



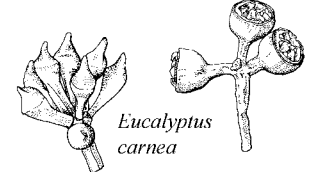
Eucalyptus acmenoides



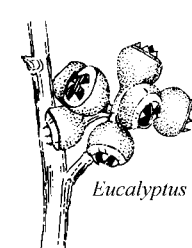
Eucalyptus baileyana



Eucalyptus psammitica



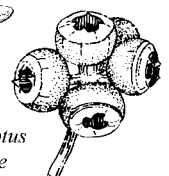
Eucalyptus carnea



Eucalyptus eugenioides



Eucalyptus tindaliae



KEY2: HALF BARK (UPPER PART SMOOTH)

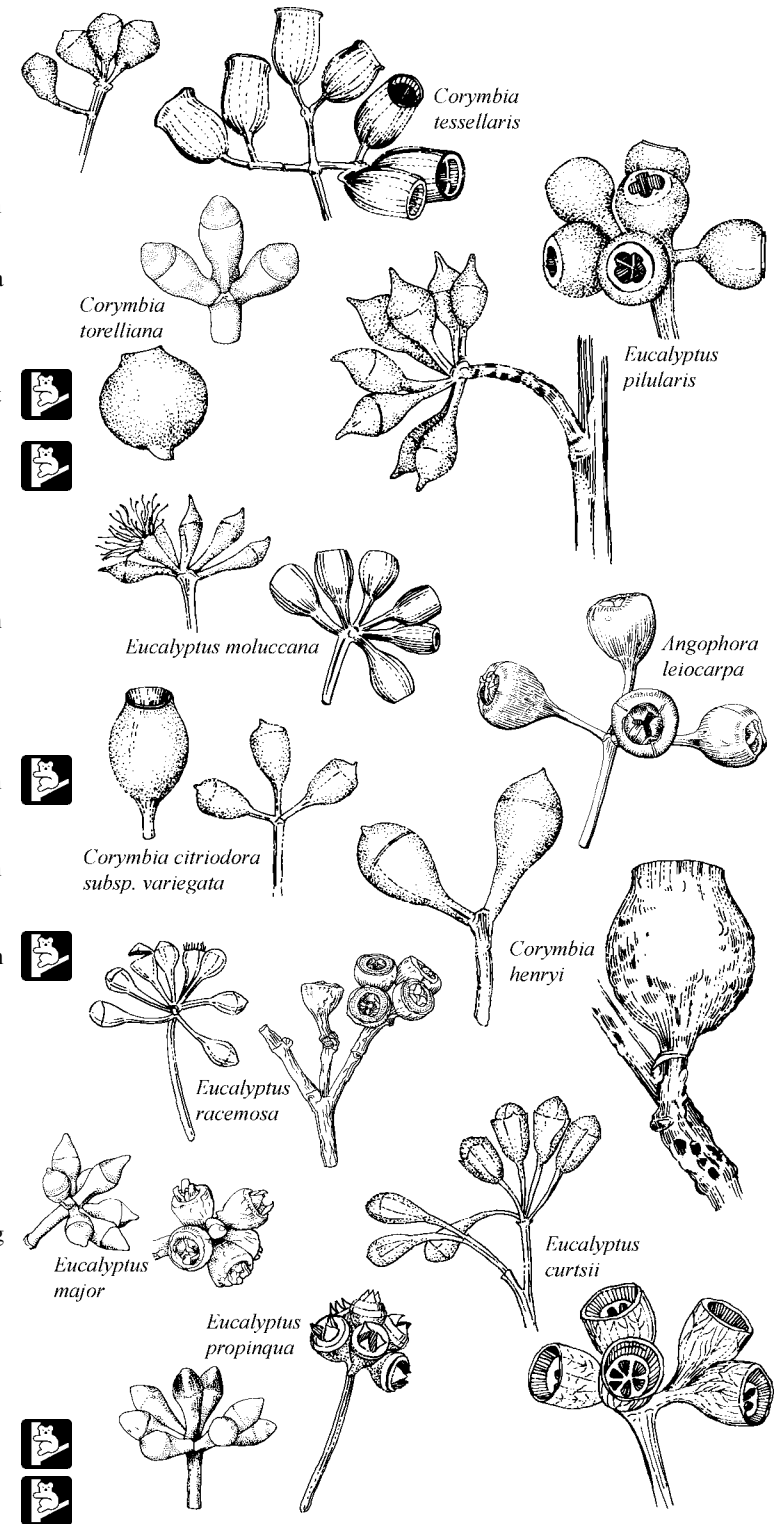
Bark persistent and rough on part of trunk, bark smooth on upper trunk and branches

- 1. Lower trunk with stocking of persistent rough bark in small squares (tessellated); smooth bark shed in patches
 - 2. Gum nuts papery, easily crushed; tree has fine weeping foliage; smooth bark whitish (Spr-Sum) *Corymbia tessellaris* (*Eucalyptus tessellaris*) carbeen, Moreton Bay ash
 - 2x. Gum nuts woody, urn shaped; foliage not weeping, retains large hairy juvenile leaves; smooth bark greenish (cultivated and naturalised in SEQ). (Win-Spr) *Corymbia torelliana* (*Eucalyptus torelliana*) cadaghi, cadaga
- 1x. Trunk with persistent fibrous or box bark, not tessellated; smooth bark shed in strips
 - 3. Bark thick, finely fibrous; gum nuts 8–11 mm wide; leaves 1–4 cm wide, lower surface paler than upper surface (not common) (Spr, Sum, Aut) *Eucalyptus pilularis* blackbutt
 - 3x. Box bark; gum nuts 5–6 mm wide; leaves 2–8 cm wide, the same colour on both sides (heavy soils) (Sum-Aut) *Eucalyptus moluccana* gum topped box, grey box

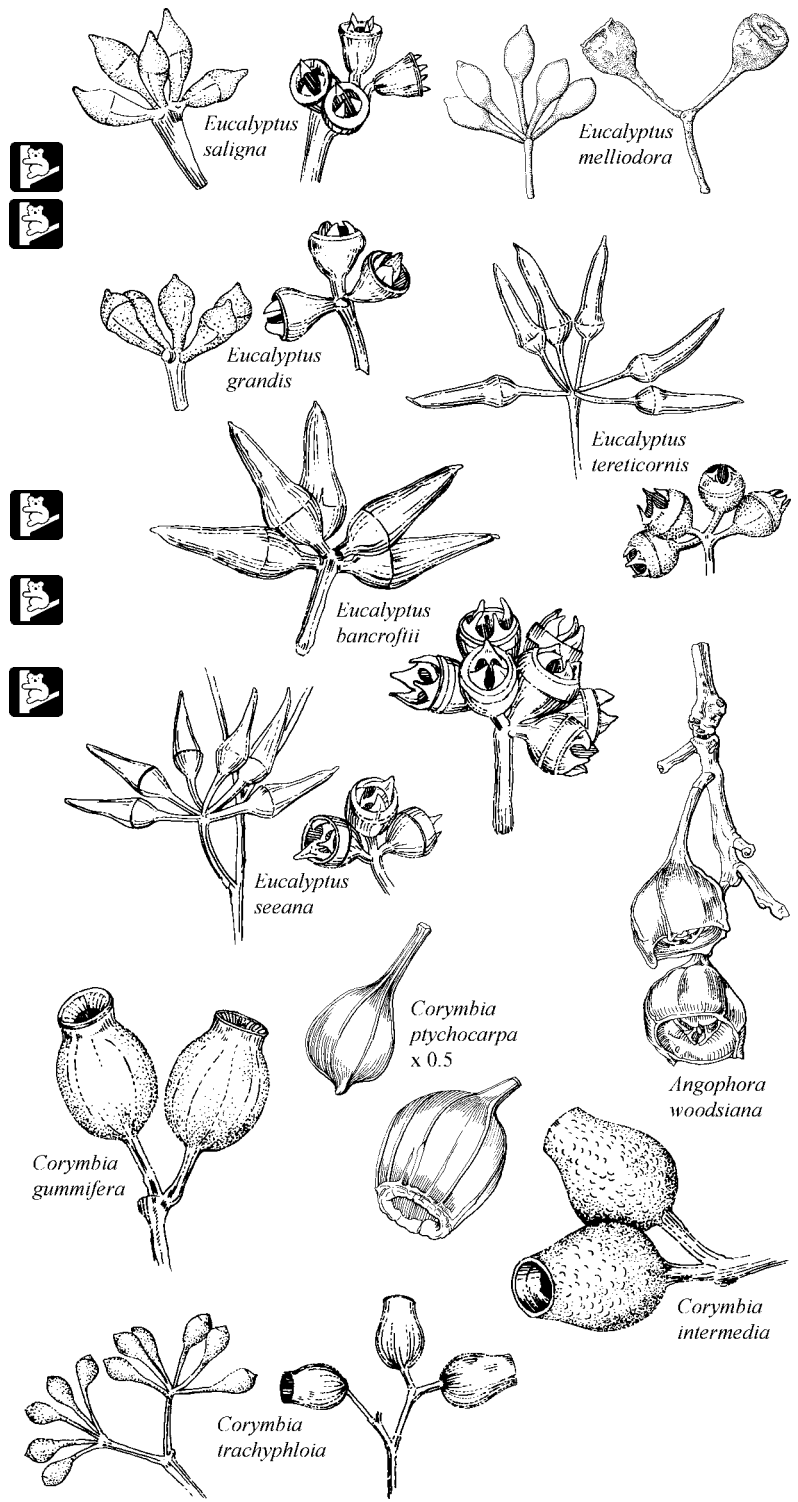
KEY 3: SMOOTH BARK

Bark smooth throughout, shed annually in flakes or ribbons, or with bark loosely adhering at base of trunk

- 1. Mature leaves in opposite pairs; branches often twisted; bud without a cap; gum nut slightly ribbed, with small teeth (Spr-Sum) *Angophora leiocarpa* (*Angophora costata*) smooth bark apple, rusty gum
- 1x. Mature leaves alternate; branches usually straight; bud with a cap; gum nut without ribs or teeth (gum trees)
 - 2. Bark with numerous “dimples” or indentations, pink or grey
 - 3. Buds 6–13 mm long; gum nuts 8–13 mm wide (Win-Spr) *Corymbia citriodora* subsp. *variegata* (*Eucalyptus maculata*) spotted gum
 - 3x. Buds 12–15 mm long; gum nuts 12–15 mm wide (Sum) *Corymbia henryi* (*Eucalyptus henryi*) coarse or large leaved spotted gum
 - 2x. Bark not dimpled, not usually pink
 - 4. Trunk marked by zigzag “scribbles” (Spr-Sum) *Eucalyptus racemosa* (*Eucalyptus signata*) scribbly gum
 - 4x. Trunk not marked with zigzag “scribbles”
 - 5. Bark greenish; tree retains large hairy juvenile leaves; gum nuts 9–14 mm long, urn shaped (cultivated and naturalised in SEQ) (Win-Spr) *Corymbia torelliana* (*Eucalyptus torelliana*) cadaghi, cadaga
 - 5x. Bark whitish, grey or orange; juvenile leaves not retained; gum nuts 4–10 mm long, not globose.
 - 6. Small tree (to 8 m high) often with more than one stem; gum nuts 7–10 mm long, often wrinkled when dry, valves below rim level (commonly cultivated) (Spr) *Eucalyptus curtisii* Plunkett mallee
 - 6x. Medium to tall trees with only one stem; gum nuts 4–8 mm long, woody, not wrinkled, valves at rim level or protruding
 - 7. Leaves dark green above and paler below; buds less than 1 cm long, the cap as long as or shorter than the base; flower stalks flattened
 - 8. Bark granular or matt, shedding in patches to base, cream or grey with bright orange new bark (seasonal); gum nuts with valves protruding (widespread)
 - 9. Buds in groups of 7, ridged; gum nuts 4–5 mm long (dry sites) (Sum) *Eucalyptus major* grey gum
 - 9x. Buds in groups of 8–13, not ridged; gum nuts 3–4 mm long (moist sites) (Sum-Aut) *Eucalyptus propinqua* small fruited grey gum



- 8x. Bark smooth and shiny, shedding in ribbons, often with a short stocking of rough bark adhering at base, white or grey; gum nuts with valves at rim level or protruding (moist sites at elevation, often with rainforest trees)
- 10. Gum nut valves 3 or 4, erect, or turned outwards (Sum-Aut). *Eucalyptus saligna* Sydney blue gum
- 10x. Gum nut valves 4 or 5, turned inwards (Aut-Win). *Eucalyptus grandis* flooded gum, rose gum
- 7x. Leaves the same colour on both sides
- 11. Bud cap shorter than the base; gum nut valves enclosed (Win, Spr, Sum)
 - *Eucalyptus melliodora* yellow box
- 11x. Bud cap much longer than the base; gum nut valves exerted
- 12. Large tree; bark grey, white or bluish (widespread) (Aut, Win, Spr)
 - *Eucalyptus tereticornis* forest red gum
- 12x. Small tree; bark grey or grey-brown (coastal lowlands) (Spr-Sum)
 - *Eucalyptus bancroftii* Bancroft's red gum
- 12xx. Medium tree, fine weeping foliage; bark grey or cream (Spr-Sum)
 - *Eucalyptus seeana* narrow leaved gum



KEY 4: BLOODWOOD AND ROUGH BARKED APPLE

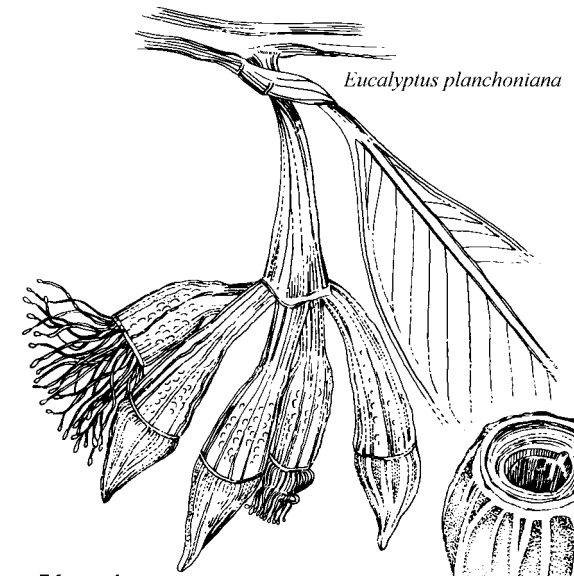
Bark rough and persistent throughout, soft, furrowed, friable, removable in short, oblong chunks

- 1. Mature leaves in opposite pairs; gum nuts with 5 sharp ribs and small teeth; bud without a cap (apples)
 - 2. Leaves 2–6 cm wide, appearing to clasp the stem (without stalks) (Spr-Sum) *Angophora subvelutina* broadleaf apple
 - 2x. Leaves 1–4 cm wide on distinct stalks, not stem clasping (Sum) *Angophora woodsiana* smudgee apple
- 1x. Mature leaves alternate; gum nuts not or slightly ribbed, without teeth; buds with a cap (gum trees)
 - 3. Leaves 3.5–7 cm wide; buds 2–3 cm long; flowers pink, white or red; gum nuts more than 3 cm long (cultivated) (Spr, Sum, Aut). *Corymbia ptychocarpa* (*Eucalyptus ptychocarpa*) swamp bloodwood
 - 3x. Leaves 1.5–4 cm wide; buds 0.5–1.1 cm long; flowers white; gum nuts 0.5–2 cm long
 - 4. Leaves less than 2 cm wide; gum nuts 0.5–1 cm long; bark somewhat flaky, grey to yellowish (Sum-Aut). *Corymbia trachyphloia* (*Eucalyptus trachyphloia*) brown bloodwood
 - 4x. Leaves 2–4 cm wide; gum nuts 1–2 cm long; bark chunky, grey or reddish
 - 5. Leaves more than 3 cm wide; outer branches smooth; bark reddish; gum nut glossy with rim spreading outwards (Sum-Aut) *Corymbia gummifera* (*Eucalyptus gummifera*) red bloodwood
 - 5x. Leaves 2–3 cm wide; outer branches rough barked; bark grey; gum nut not glossy, the rim not spreading (Sum-Aut). *Corymbia intermedia* (*Eucalyptus intermedia*) pink bloodwood

KEYS: IRONBARK

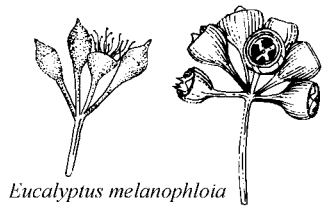
Bark rough and persistent throughout, very hard, furrowed, dark grey or black

- 1. Leaves silvery, in opposite pairs, attached close to the branchlet, without stalks (Spr-Sum) *Eucalyptus melanophloia* silver leaved ironbark
- 1x. Leaves green or grey-green, alternating on stem, attached by a distinct stalk
 - 2. Leaves 2–3 cm wide; gum nuts 10–12 mm long; buds 8–15 mm long
 - 3. Bark surface somewhat flaky and fibrous; outer branches with rough bark; leaves 3–5 cm wide; gum nuts with valves level with the rim or slightly protruding; buds without a bulge in the middle (Aut-Win) *Eucalyptus fibrosa* broad leaved red ironbark
 - 3x. Bark hard, not flaky or fibrous; outer branches smooth; leaves 2–5 cm wide; gum nuts with valves below rim level; buds with a distinct bulge in the middle (Aut-Win) *Eucalyptus dura*
 - 2x. Leaves 1.5–2 cm wide; gum nuts 3–8 mm long; buds 4–8 mm long
 - 4. Leaves blue-grey, 0.6–1.6 cm wide; buds rounded or pointed, the cap shorter than the base; gum nuts 3–5 mm long (in South East Queensland) (Aut, Win, Spr) *Eucalyptus crebra* narrow leaved ironbark
 - 4x. Leaves greenish, 1–2 cm wide; buds distinctly pointed, the cap as long as the base; gum nuts 5–8 mm long (Win-Spr) *Eucalyptus siderophloia* grey ironbark

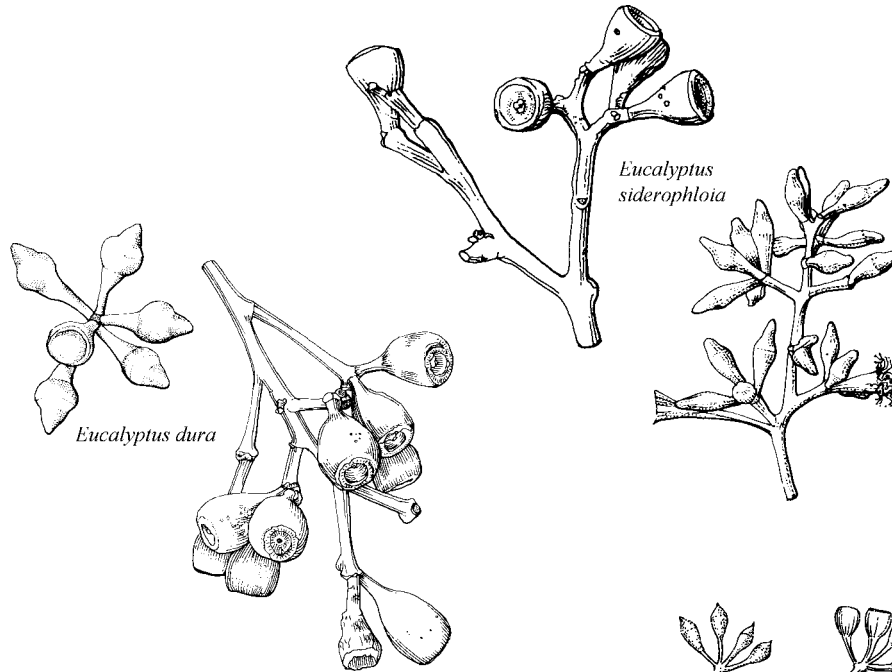


Eucalyptus planchoniana

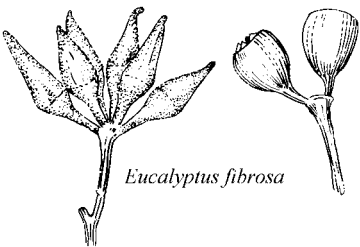
Key to
Eucalypts
 of Greater Brisbane



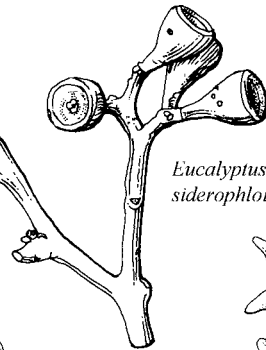
Eucalyptus melanophloia



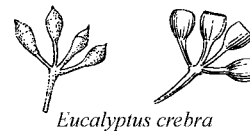
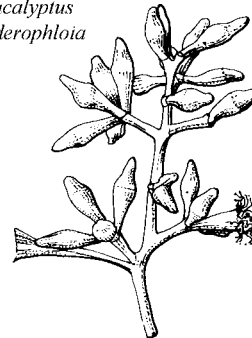
Eucalyptus dura



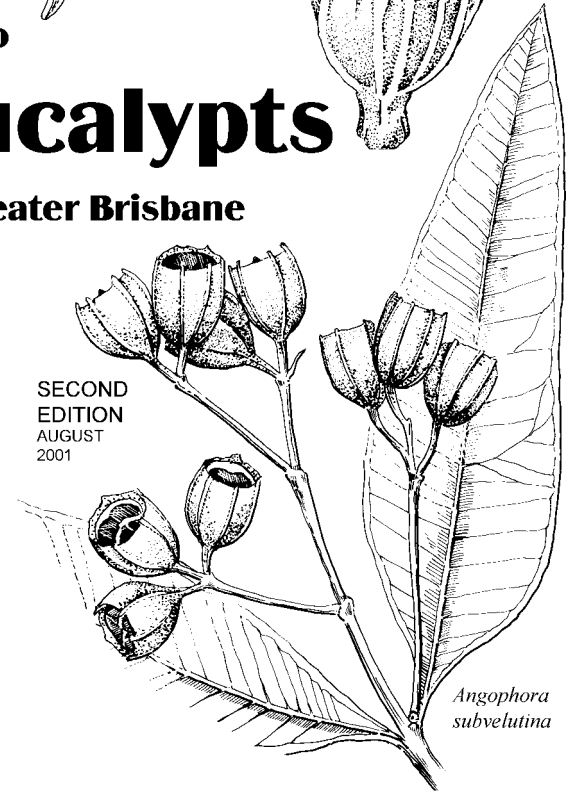
Eucalyptus fibrosa



Eucalyptus siderophloia



Eucalyptus crebra



Angophora subvelutina

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