

## *Endiandra phaeocarpa* B.Hyland

### Family:

Lauraceae

Hyland, B.P.M. (1989) *Australian Systematic Botany* 2: 245. Type: B. Gray 3009: State Forest Reserve 142, South Mountain Reserve Area, 1.iii.1983 (QRS, holotypus).

### Stem

A thin cream or pale brown layer normally visible under the subrhynchium layer before the first section of the outer blaze. Dead bark very pale brown.

### Leaves

Twigs fluted, clothed in straight, appressed, pale brown hairs when young but glabrous when older. Leaf blades about 9.8-18.5 x 3.4-8.5 cm, green and glabrous on the underside. Midrib depressed or flush with the upper surface. Petioles flat or channelled on the upper surface. Oil dots visible with a lens.

### Flowers

Flowers scarcely opening, the tepals at anthesis surrounding the anthers and style so that only the tips of the anthers, their valves and the stigma are exposed. Tepals about 0.6-1.3 mm long. Staminodal glands absent. Staminodes usually 2-3, sometimes absent, not differentiated into a head and stalk.

### Fruit

Fruits scurfy brown, ellipsoid or sausage-shaped, about 65-89 x 32-35 mm. Seed about 52-72 x 20-26 mm. Cotyledons cream but pink towards the apex.

### Seedlings

First pair of leaves elliptic or obovate, about 80-200 x 35-75 mm, apex acuminate or acute, green on the underside. At the tenth leaf stage: leaves obovate, glabrous, apex acuminate or apiculate; oil dots small, visible with a lens; hairs on stem and petioles very short, prostrate. Seed germination time 35 to 47 days.

### Distribution and Ecology

Endemic to NEQ, known only from collections made in the Mt Spurgeon-Mt Lewis and Mt Hemmant-Mt Sorrow areas. Altitudinal range from 600-1100 m. Grows in well developed mountain rain forest on soils derived from granite.

### Natural History & Notes

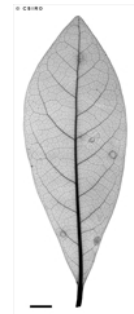
This species sometimes grows large enough to produce millable logs but it has not been utilized to date. Wood specific gravity 0.70. Hyland (1989).

### RFK Code

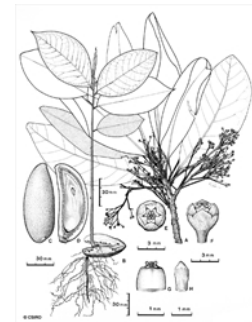
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Leaves and fruit. © CSIRO



Scale bar 10mm. © CSIRO



Habit, flower, anther, staminode, fruit, seedling. © CSIRO



Cotyledon and 1st leaf stage, hypogeal germination. © CSIRO



10th leaf stage. © CSIRO



Cotyledon and 1st leaf stage, hypogeal germination. © CSIRO



Flower, side view Tepals & tips of the anthers. © CSIRO



Flower, oblique bird's-eye view  
Tepals, anthers & pores, style. © CSIRO



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