

## *Wilkiea kaarruana* Zich & A.J.Ford

### Family:

Monimiaceae

Zich, F. & Ford, A.J. (2011) *Austrobaileya* 8(3): 406-409. Type: Queensland, Cook District: Wooroonooran National Park, 9.5 km along Maple Creek Road from South Johnstone River bridge, 20 November 2007, A.Ford 5205 (holo: BRI; iso: A, BO, CANB, CNS, H, K, L, LAE, MO, NSW, SYD, MEL, SING, US, Z).

### Stem

Shrub or small tree 5-12 m tall; bark pale, corky, thick and longitudinally fissured; androdioecious and monoecious.

### Leaves

Oak grain in the twigs. Leaf blades about 7-16 x 2.8-4.8 cm. Very small oils dots visible with a lens. Lateral veins forming loops inside the blade margin.

### Flowers

Male inflorescence axillary, terminal and ramiflorous, often fasciculate, 1-4cm long; occasionally solitary, mostly 3-flowered umbels, to panicles, 1-15 flowers; pedicels 5-18 mm long, glabrous; bracts 1.1mm long. Male flowers globose to depressed globose, yellow to yellow-orange, ca. 2-3.5 mm wide; tepals 4-6, 1.8 mm long, glabrous on both surfaces, two pairs around ostiole, third pair if present near base of floral cup; stamens 4, 1.1mm long, in equal pairs, outer 2 positioned on floral cup wall and higher than inner two which are positioned on the base of receptacle, anthers opening by apical slit curving over apex, filaments very short, hairy. Female inflorescence terminal, 3-5 cm long, 3-flowered paniculate umbels, 6-14 flowers, pedicels 11-24 mm long, glabrous. Female flowers depressed globose, ca. 7 mm diameter, yellow-orange fading to green at base; tepals 4-6, 2 pairs around ostiole, outer pair thin, inner pair greatly thickened, forming a floral cup, third pair when present often consists of one tepal near the base of floral cup and the opposing tepal on the side of the floral cup; carpels 21-26, angular, tapering, densely pubescent with golden, more or less appressed hairs; stigma short, conical and black; staminodes absent.

### Fruit

Fruit poorly known. Fruiting receptacle pubescent, 6-10(-15) mm wide; drupes up to 10-12, globose to ovoid.

### Seedlings

Features not available.

### Distribution and Ecology

Endemic to NEQ. Altitudinal range from 40-700 m. Grows as an understory tree in well developed rain forest.

### Synonyms

***Wilkiea* sp. Palmerston (B.P.Hyland 80)**, *Australian Tropical Rain Forest Plants, Trees, Shrubs & Vines.* : (2010). ***Wilkiea* sp. (Palmerston BH 80RFK)**, *Australian Tropical Rain Forest Plants, Trees, Shrubs & Vines.* : (2003). ***Wilkiea* sp. A**, *Flora of Australia* 2: 81(2007).

### RFK Code

70



Flower. © ATH.



Inflorescence. © ATH



Leaves and flowers. © ATH.



Corky bark. © ATH



Scale bar 10mm. © CSIRO



A. branch with corky bark; B. section of branch; C. male inflorescence; D. leaf; E. male flower; F. male flower showing tepals around ostiole and anthers; G. female flower; H. female flower showing tepals around ostiole; I. female flower section. ©: Queensland Government

