

Ristantia gouldii Peter G. Wilson & B. Hyland

Family:
Myrtaceae

Wilson, Peter G. & Hyland, B.P.M. (1988) *Telopea* 3(2): 267. Type: QUEENSLAND: Timber Reserve 1230—Boonjee Logging Area 17 deg25 S 145 deg 45 E, Hyland 6764, 18.7.1973; holo: QRS; iso: NSW, UNSW.

Stem

Narrow yellowish or pale brown stripes in the outer blaze.

Leaves

Oil dots visible with a lens. Leaf blades about 5-9 x 2.5-5 cm. Lateral veins curved throughout their length but not forming distinct loops. Terminal buds clothed in very short, pale hairs. Bark on young leafy twigs often smooth and reddish but pale brown, slightly scaly and papery on older twigs. Young leaves reddish.

Flowers

Inflorescences up to 4 cm long. Sepals +/- triangular, about 1.5 x 1.5-2 mm, pubescent on both surfaces. Petals obovate to orbicular, about 2 mm long. Stamens about 25-35, filaments about 1-2.5 mm long. Style about 2.5 mm long.

Fruit

Fruit splitting almost completely to the base. Fruiting hypanthium scarcely developed, everted beneath the fruit. Fruit about 10-15 mm diam. Seeds ovoid or flattened-ovate, about 7-8 x 6-7 mm, testa +/- smooth.

Seedlings

Cotyledons bilobed, butterfly-shaped, about 12-15 x 19-25 mm. Oil dots reddish, easily seen with a lens. At the tenth leaf stage: leaf blade elliptic, apex acuminate, base cuneate, upper surface clothed in fine, almost prostrate, short hairs; oil dots small and numerous, reddish; petiole hairy. Seed germination time 16 days.

Distribution and Ecology

Endemic to NEQ, known only from the following localities: Timber Reserve 165, Pieter Botte Logging Area; Timber Reserve 1230, Boonjee Logging Area; State Forest Reserve 756, Velvin Logging Area. Altitudinal range from 450-800 m. Grows in well developed upland rain forest.

RFK Code

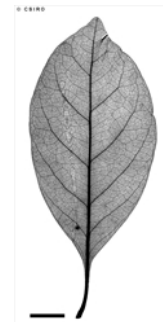
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Leaves [not vouchered]. © G. Sankowsky



Young leaves [not vouchered]. © G. Sankowsky



Scale bar 10mm. © CSIRO



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



10th leaf stage. © CSIRO



Seedling, cotyledons still attached.
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