

Peripentadenia phelpsii B.Hyland & Coode

Family:

Elaeocarpaceae

Hyland, B.P.M. & Coode, M.J.E. (1981) *Kew Bulletin* 36: 741. Type: Qld, National Park Reserve 133, B. Gray 6564, 1964, QDC 1964, K.



Stem

Buttresses conspicuous, often convex on large trees.

Leaves

Two glands visible at the apex of the petiole at its junction with the leaf blade. Leaf blades about 7-13 x 3-5 cm. Lateral veins forming loops well inside the blade margin. Stipules small and inconspicuous, visible with a lens on young shoots.

Flowers

Sepals minutely felty outside. Petals induplicate, each petal enclosing 13 stamens and a disk gland. Petals about 15-17 x 6-8 mm, divided into about 20 narrow lobes at the apex. Stamens 13 opposite each petal and two opposite each sepal. Style 3-fluted at the base.

Fruit

Fruit about 35-45 x 35 mm. Seed (without the aril) about 25 x 16 mm. Testa about 2 mm thick.

Seedlings

Cotyledons obovate, fleshy. First pair of leaves ovate, about 9-11 cm long. At the tenth leaf stage: leaf blade elliptic or elongate-elliptic, apex acuminate, base cuneate sometimes lobed, toothed along margin from the base to the apex, glabrous, lateral veins forming loops well inside the margin of the leaf blade; stipules minute, visible only with a lens. Seed germination time 18 to 22 days.

Distribution and Ecology

Endemic to NEQ, restricted to the Mossman River catchment. Altitudinal range from 40-400 m. Grows in well developed rain forest.

RFK Code

751



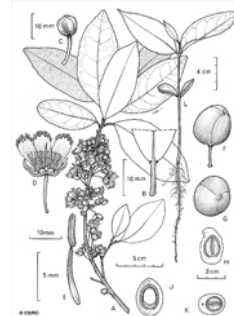
Flowers. © B. Gray



Fruit, three views, arillous seed and seed. © W. T. Cooper



Scale bar 10mm. © CSIRO



Habit, leaf with glands, flower, stamen, fruit, seedling. © CSIRO



10th leaf stage. © CSIRO



Cotyledon stage, epigeal germination. © CSIRO

