

## *Eucalyptus rudis* subsp. *cratyantha*

### Flooded gum

#### Classification

Eucalyptus | Symphyomyrtus | Exsertaria | Singulares

#### Nomenclature

*Eucalyptus rudis* subsp. *cratyantha* Brooker & Hopper, *Nuytsia* 9: 63 (1993).

T: On Moses Rock Road, 33°44'S, 114°59'E, 10 May 1986, *S.D.Hopper 4825*; holotype: PERTH.

#### Description

**Tree** to 25 m tall. Forming a lignotuber.

**Bark** rough, fibrous, grey over part or all of trunks, becoming tessellated on older trunks, extending sometimes to branches to ca 10 cm diameter, rarely trunks entirely smooth, greyish white and dark grey.

**Branchlets** lacking oil glands in the pith.

**Juvenile growth (coppice or field seedlings to 50 cm):** stems square in cross-section, sometimes winged; juvenile leaves always petiolate, opposite for ca 5 nodes then alternate, ovate to deltoid or ± orbicular, 2.5–7(10.5) cm long, 2–5(7.5) cm wide, base truncate to rounded or tapering, apex usually pointed, dull, greyish green, rarely slightly glaucous.

**Adult leaves** alternate, petioles 1.3–3 cm long; blade lanceolate to falcate, 7–18 cm long, 1–3.5 cm wide, base tapering to petiole, margin entire, apex pointed, dull to slightly glossy, green rarely grey-green, side-veins greater than 45° to midrib, reticulation moderate to dense, intramarginal vein present, oil glands island.

**Inflorescence** axillary unbranched, peduncles 0.4–2 cm long, buds 7, 9 or 11, pedicellate (pedicels 0.3–0.6 cm long). **Mature buds** obesely ovoid to diamond-shaped (1–1.5 cm long, 0.8–0.9 cm wide), scar present, operculum broadly to bluntly conical (0.5–0.7 cm long), some stamens erect but most inflexed, anthers oblong, versatile, dorsifixed, dehiscing by longitudinal slits, style long and straight, stigma blunt to rounded, locules (4)5 or 6, the placentae each with 6(8) vertical rows of ovules, sometimes with a small medial gap. Flowers white.

**Fruit** pedicellate (pedicels 0.4–0.8 cm long), campanulate to cupular, 0.6–0.8 cm long, 1.1–1.4 cm wide, disc usually descending, rarely level, valves (4)5 or 6, exserted or at rim level.

**Seeds** 0.8–1.5 mm long, cuboid to pyramidal with a terminal hilum, mostly with a single blackish seed-coat, dorsal surface roughened but scarcely pitted and margin toothed; but often some straw-coloured double-coated smooth and glossy seed present (paler than the chaff particles but plump like the black seed).

**Cultivated seedlings (measured at node 10):** cotyledons oblong to slightly reniform; stems square and often winged in cross-section; leaves always petiolate, opposite for 3–5 nodes then alternate, deltoid to ovate, 6–9 cm long, 4.5–8.5 cm wide, dull, green to grey-green

#### Flowering Time

Flowering has been recorded in August and September.

#### Notes

*Eucalyptus rudis* is a species of small to medium-sized red gum tree endemic to Western Australia, occurring on the coastal plain north and south of Perth between Dongarra and Margaret River, the Darling Range and south-eastwards to the Pallinup River, always on stream banks or floodplains, on silty soils with clay subsoil. The bark is rough in most trees but occasionally it is smooth. The adult leaves are slightly glossy, green.

In its area of natural occurrence it should not be confused with other species and with its rough bark may be anticipated along streams and in swampy areas. To the north and north-east of its natural distribution, *E. rudis* grades into *E. camaldulensis*, which is distinctive with its smaller opercula and double-coated yellow seeds. Intermediates between both these species occur. This usually can be seen by inspecting the seed—if a high proportion of yellow smooth double-coated seed is present on a specimen then it is likely to be an intermediate between these two species. Such intermediates are known in the Northam area and further north near Three Springs. The southernmost occurrence of *E. camaldulensis* is near Moora.



There are two subspecies:

**E. rudis** subsp. **rudis**

The widespread form, extending from Pallinup River north to Dongarra. Subsp. *rudis* has buds 0.8–1.2 cm long, fruit 0.7–1 cm wide and four or five valves.

**E. rudis** subsp. **cratyantha**

Differs from subsp. *rudis* in having slightly larger parts. Buds 1–1.5 cm long, fruit 1.1–1.4 cm wide and more pronouncedly campanulate in shape, valves (4)5 or 6. It occurs only from Mandurah and Pinjarra south and south-west to Cape Naturaliste.

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**Origin of Name**

*Eucalyptus rudis*: Latin *rudis*, rude, rough, suggested as referring to the apparent worthlessness of the timber.

subsp. *cratyantha* : Greek *craty*, strong and *anthos*, flower, referring to the larger buds in this subspecies.

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