

Threatened Species of the Northern Territory

Garcinia warrenii

Conservation status

Australia: Not listed

Northern Territory: Endangered



Photo: M. Armstrong

Description

Garcinia warrenii is a tree to 8 m. The leaves are simple and opposite. The foot of the petiole has extensions or gland-like stipules that run along the stem axis. The leaf venation is distinctly parallel. Broken petioles and twigs produce a yellow exudate.

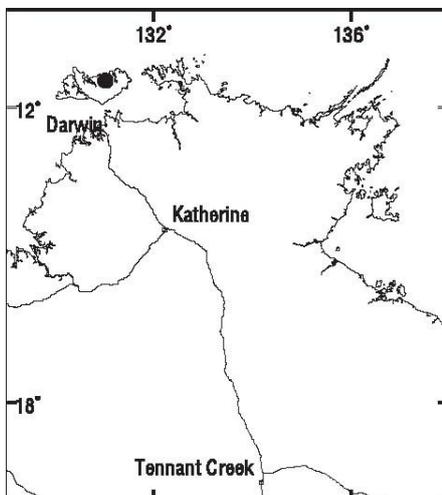
Flowering: Aug.

Distribution

In the NT, it is known only from a small hill surrounded by mangroves in the Jessie River on Melville Island. It is also found on Cape York Peninsula and in New Guinea.

Conservation reserves where reported:

None.



Known locations of *Garcinia warrenii*

Ecology

Little is known about the ecology of this species in the NT. In Queensland, it is usually found in well-developed rainforest but also along watercourses in the open (Hyland and Whiffin 1993).

Conservation assessment

The species has been classified as **Endangered** (under criteria D) based on:

- a small population (<250 individuals); and
- a very restricted distribution.

This population occurs in a remote estuary on Melville Island and appears healthy with a number of saplings present.

Threatening processes

A cyclonic event is the only imaginable threat as the community is surrounded by an extensive mangrove system and is unlikely to be affected by weeds, feral animals, clearing or development.

Conservation objectives and management

A Recovery Plan for this species, and other threatened plants on the Tiwi Islands, is due to be released in 2007, but many actions in its draft are currently being implemented.

Collection of propagation material and translocation to a botanic gardens would seem the only action available to protect the species from a cyclonic event. Although similar habitats in the area were well surveyed, further survey may yield more populations.

Compiled by

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References

- Hyland, B.P.M., and Whiffin, T. (1993). *Australian Tropical Rain Forest Trees. An interactive system Volume 2.* (CSIRO Publications, Melbourne.)
- Woinarski, J., Brennan, K., Cowie, I., Kerrigan, R., and Hempel, C. (2003). *Biodiversity conservation on the Tiwi islands, Northern Territory. Part 1. Plants and environments.* 144 pp. (Department of Infrastructure Planning and Environment, Darwin.)