



Taiwanassiminea cf. *bedaliensis* (Rensch, 1934)



Taiwanassiminea cf. *bedaliensis* (adult size may reach 5 mm).



Distribution of *Taiwanassiminea* cf. *bedaliensis*.

Diagnostic features

The shell of this species has five brown spiral bands of which three are more distinct than the others.

Classification

Taiwanassiminea cf. ***bedaliensis*** (Rensch, 1934)

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Assimineidae

Subfamily: Assimineinae

Genus *Taiwanassimineae* Kuroda & Habe, 1950

Original name: *Assimineae bedaliensis* Rensch, 1934. In Rensch, B. C. E. (1934). Süßwassermollusken der Deutschen Limnologischen Sunda-Expedition. *Archiv für Hydrobiologie* 13: 203-254.

Type locality: Java, Indonesia.

State of taxonomy

The status of the Australian records needs investigation.

Biology and ecology

Habitat in Java: in fresh water, near waterfalls, on stones, sometimes above the water (van Benthem Jutting 1956). Inhabits ditches with running water (Brandt 1974).

Distribution

Java, Indonesia; Borneo and Sabah, Malaysia; Guam; Japan (Honshu, Nansei-shoto); Thailand; United States (Hawaiian Is.), Israel. In Australia it is only known from the Douglas River, Northern Territory.

Notes

Taiwanassimineae bedaliensis was described from Java and also occurs in Borneo and Sabah, Malaysia. It is associated with the horticultural trade and has been introduced to Japan and Guam. It was first recorded in Hawaii in 2004, where it is almost entirely confined to horticultural facilities, but these are now thought to be misidentified specimens of another assimineid species of the genus *Cyclotropis*. It has also recently been reported as introduced in Israel (Mienis et al. 2015).

It is currently not known whether this species is native to northern Australia (it is only known from the Daly River, Northern Territory) or introduced. However, some morphological evidence, such as the larger shells and the apparent lack of a subsutural groove of the Australian specimens, suggests that the Australian population may be native, possibly even a distinct species.

Further reading

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https://keys.lucidcentral.org/keys/v3/freshwater_molluscs/

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