Gabbia pallidula Ponder, 2003

Gabbia pallidula (adult size 2.6-4.3 mm)

Distribution of *Gabbia pallidula*.

Diagnostic features

This species is similar to *G. campicola* and falls within the distribution of that taxon. However, it is smaller than the former. Furthermore, *G. pallidula* lacks a pigmented mantle and the gill apices are located further to the left than in *G. campicola*. In addition, the lateral teeth of the radula have a straighter dorsal margin, the median cusp on the lateral teeth has a rounded end in two of the three specimens of *G. pallidula* (pointed in all *G. campicola* examined - Ponder, 2003) and there tend to be more cusps on the marginal teeth. The bursa copulatrix is also wider in *G. pallidula* than in *G. campicola*.

Classification

Gabbia ***pallidula*** Ponder, 2003

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Bithyniidae

Genus Gabbia Tryon, 1865

Original name: *Gabbia pallidula* Ponder, 2003. *In* Ponder, W.F. (2003) Monograph of the Australian Bithyniidae (Caenogastropoda: Rissooidea). *Zootaxa* 230: 1-126.

Type locality: Unnamed spring near Smokey Creek, adjacent to The Springs HS, approximately 83 km north-northeast of Aramac, Queensland.

Biology and ecology

See below.

Distribution

Known only from the type locality, an artesian spring in the Barcaldine Supergroup in western Queensland, where it occurs in mud in the pool at the base of the spring.

Further reading

Fensham, R., Ponder, W. & Fairfax , R. (2010). *Recovery plan for the community of native species dependent on natural discharge of groundwater from the Great Artesian Basin. Report to Department of the Environment, Water, Heritage and the Arts, Canberra*. Queensland Department of Environment and Resource Management, Brisbane. https://www.environment.gov.au/system/files/resources/0cefc83a-3854-4cff-9128-abc719d9f9b3/files/great-artesian-basin-ec.pdf

Ponder, W. F. (2003). Monograph of the Australian Bithyniidae (Caenogastropoda: Rissooidea). *Zootaxa* 230: 1-126.

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

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