



## *Pseudotricula arthurclarkei* Ponder, Clark, Eberhard & Studdert, 2005



*Pseudotricula arthurclarkei* (adult size 2.6-3.1 mm)



Distribution of *Pseudotricula arthurclarkei*.

### Diagnostic features

*Pseudotricula arthurclarkei*, *P. progenitor* and *P. conica* [1] [2] differ from “typical” members of *Pseudotricula* in having more cusps on both marginal teeth, a long lateral shaft on the lateral teeth and in lacking a strongly reflected outer lip. *Pseudotricula arthurclarkei* and *P. conica* [1] [2] appear to be a sister taxa and also differ from other *Pseudotricula* species in having several weak to moderate curved ridges (reduced pegs) on the inside of the operculum, stronger and more complex protoconch microsculpture and the shell colour is often brown.

*P. arthurclarkei* differs from *P. conica* in being larger, more convex whorls and stronger opercular ridges. *P. progenitor* is much more high spired.

### Classification

*Pseudotricula arthurclarkei* Ponder, Clark, Eberhard & Studdert, 2005

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Pseudotricula* Ponder, 1992

*Original name: Pseudotricula arthurclarkei* Ponder, Clark, Eberhard & Studdert 2005. In Ponder, W.F., Clark, S.A., Eberhard, S. & Studdert, J.B. (2005). A radiation of hydrobiid snails in the caves and streams at Precipitous Bluff, southwest Tasmania, Australia (Mollusca: Caenogastropoda: Rissoidae: Hydrobiidae s.l.). *Zootaxa* 1074: 1-66.

*Type locality:* Quetzalcoatl Conduit, Precipitous Bluff caves, Tasmania.

## Biology and ecology

This species lives in a cave stream 3–4 m wide which has a strong flow (estimated at 15–30L/s) with sediments composed mostly of gravel and silt.

## Distribution

Known only from Quetzalcoatl Conduit, Precipitous Bluff caves, southern Tasmania. One of six species known from the caves at Precipitous Bluff.

## Further reading

Ponder, W. F., Clark, S. A., Eberhard, S. & Studdert, J. B. (2005). A radiation of hydrobiid snails in the caves and streams at Precipitous Bluff, southwest Tasmania, Australia (Mollusca: Caenogastropoda: Rissoidae: Hydrobiidae s.l.). *Zootaxa* 1074: 1-66.

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To contact the authors for comment or suggestions, please email: [fwmollusc@gmail.com](mailto:fwmollusc@gmail.com)

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