



## ***Beddomeia fromensis* Ponder & Clark, 1993**



*Beddomeia fromensis* (adult size 1.7-2 mm)



Distribution of *Beddomeia fromensis*.

### **Diagnostic features**

Species of the *B. hullii* group are found in the northern half of Tasmania. Their shells are small (1.7-3.7 mm in length; most less than 3.5 mm), simple, ovate-conic to broadly conic, with a thin inner lip and no columellar bulge. The periphery of the last whorl of the shell is rounded, subangled or angled and the penis simple.

This species differs from other members of the group in having a narrower shell with a closed umbilicus; the mantle cavity has fewer ctenidial filaments; the male genital system has a kidney-shaped prostate gland (pyriform in other taxa), an undulating pallial vas deferens, while the female genital system has a pallial oviduct with a simple ventral channel.

### **Classification**

*Beddomeia fromensis* Ponder & Clark, 1993

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Beddomeia* Petterd, 1889

*Original name:* *Beddomeia fromensis* Ponder & Clark, 1993. In Ponder, W.F., Clark, G.A., Miller, A.C. & Toluzzi, A. (1993). On a major radiation of freshwater snails in Tasmania and eastern Victoria: a preliminary overview of the *Beddomeia* group (Mollusca: Gastropoda: Hydrobiidae). *Invertebrate Taxonomy* 7: 501-750.

*Type locality:* Small tributary of Frome River, on north-western side, 0.5 km northeast along Greenstone Road, Tasmania.

## Biology and ecology

Occurs in small stream(s) under dead leaves and under pieces of wood. Egg capsules presumably like those of other species of *Beddomeia* - dome-shaped, with broad attachment base, covered with minute, mainly white sand grains and other fragments and containing a single egg. Development direct.

## Distribution

Only known from type locality and a few nearby locations in northeast Tasmania.

## Notes

All species of *Beddomeia* are geographically isolated and have restricted ranges.

This species is on the Tasmanian Threatened Species Protection Act 1995 as Endangered.

## Further reading

Ponder, W. F., Clark, G. A., Miller, A. C. & Toluzzi, A. (1993). On a major radiation of freshwater snails in Tasmania and eastern Victoria: a preliminary overview of the *Beddomeia* group (Mollusca: Gastropoda: Hydrobiidae). *Invertebrate Taxonomy* 7: 501-750.

---

To cite this resource: **Ponder, W. F., Hallan, A., Shea, M. E., Clark, S. A., Richards, K., Klunzinger, M. W., and Kessner, V. 2023. Australian Freshwater Molluscs. Revision 2.**

[https://keys.lucidcentral.org/keys/v3/freshwater\\_molluscs/](https://keys.lucidcentral.org/keys/v3/freshwater_molluscs/)

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

Copyright © 2023. All rights reserved. The Australian Museum.

