



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



*Beddomeia topsiae* (adult size 2.7-3 mm)



Distribution of *Beddomeia topsiae*.

### **Diagnostic features**

Species included in the *B. bellii* group are small to medium-sized (2.3-3.0 mm in length), ovate-conic to ovate and usually have a columella swelling. The penis is simple (as in *B. bellii* and *B. protuberata*) or with a lenticular brown gland in the middle. Species in this group are restricted to north-western Tasmania.

*Beddomeia topsiae* is distinguished from the four other related species *B. mesibovi*, *B. salmonis*, *B. gibba* and *B. fultoni* [1] [2] by the following combination of anatomical characters: a short papilla on the penis, the ventral channel of the capsule gland having a well-developed anterior vestibule and a very small second bend on the proximal part of the coiled oviduct.

### **Classification**

*Beddomeia topsiae* Ponder & Clark, 1993

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Beddomeia* Petterd, 1889

*Original name:* *Beddomeia topsiae* Ponder & Clark, 1993. In Ponder, W.F., Clark, G.A., Miller, A. & 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 Williamsons Creek on Trowutta Road, approximately 1km south of Roger River, Tasmania.

## Biology and ecology

On rocks and litter in small stream. Egg capsules white and typical 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

This species is only known from its type locality.

## Notes

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

This species was found in a small stream where it lives with a species of *Austropyrgus*.

This species is on the Tasmanian Threatened Species Protection Act 1995 as Rare (small population at risk).

## 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.

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