



Austropyrgus buchanensis Clark, Miller & Ponder, 2003



Austropyrgus buchanensis (adult size 2.2-2.7 mm)



Distribution of *Austropyrgus buchanensis*.

Diagnostic features

This species belongs to the *Austropyrgus sparsus* group, whose members are characterised by the following shell features: small to medium-sized shells, conical, with convex to slightly convex whorls. In females, the coiled oviduct is of an inverted U-shape or with two or more bends, loops or twists.

A. buchanensis differs from other members of the group in the following combination of characters: shell small to medium in size, with convex whorls; osphradium near posterior end of ctenidium; rectum with short S-shape; pericardium about $\frac{1}{2}$ in pallial roof; prostate gland about $\frac{1}{3}$ – $\frac{1}{2}$ in pallial roof; pallial vas deferens straight at prostate; penis pigmented on medial section only; coiled oviduct and bursal duct join at posterior pallial wall.

Classification

Austropyrgus buchanensis Clark, Miller & Ponder, 2003

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Austropyrgus* Cotton, 1942

Original name: *Austropyrgus buchanaensis* Clark, Miller & Ponder, 2003. In Clark, S. A., Miller, A. C. & Ponder, W. F. (2003). Revision of the snail genus *Austropyrgus* (Gastropoda: Hydrobiidae): A morphostatic radiation of freshwater gastropods in southeastern Australia. *Records of the Australian Museum* Supplement 28: 1–109.

Type locality: Fairy Creek, first crossing after kiosk, Buchan Caves, Victoria.

Biology and ecology

In streams on water weeds, hard substrata (rocks etc.) and crawling on litter and sediment. Can be locally abundant. Assumed to feed by scraping bacteria and microalgae. Lay solitary capsules containing a single egg. Direct development.

Distribution

This species is known from a number of small streams and rivers of eastern Victoria and southern New South Wales.

Notes

Most species of *Austropyrgus* are geographically isolated and have restricted ranges, and this one is no exception.

This species is not found together with any other species of *Austropyrgus*.

Further reading

Clark, S. A., Miller, A. C. & Ponder, W. F. (2003). Revision of the snail genus *Austropyrgus* (Gastropoda: Hydrobiidae): a morphostatic radiation of freshwater gastropods in southeastern Australia. *Records of the Australian Museum* 28: 1–109.

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

To contact the authors for comment or suggestions, please email: fwmollusc@gmail.com

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