



## *Fluvidona anodonta* (Hedley & Musson, 1892)



*Fluvidona anodonta* (adult size 1.6-2 mm)



Distribution of *Fluvidona anodonta*.

### Diagnostic features

Shell pupiform, with strongly convex whorls; operculum with 2.3 moderately long pegs. *Fluvidona anodonta* is very similar to *F. petterdi* [1] [2] in shell features but tends to be a little smaller. In opercular characters it differs in having shorter opercular pegs. The two taxa also differ in several anatomical characters but both have a simple penis.

This is one of several species of *Fluvidona* found in northern New South Wales and southern Queensland. They are all very similar, being separated on small differences in size and shape of the shells and in anatomical details. They have elongate-conic shells with adults having a slightly thickened aperture and the operculum bears one or more pegs

### Classification

*Fluvidona anodonta* (Hedley & Musson, 1892)

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Fluvidona* Iredale, 1937

*Original name: Pupa anodonta* Hedley & Musson, 1892. In Hedley, C. & Musson, C. T. 1892. On a collection of land and freshwater shells from Queensland. *Proceedings of the Linnean Society of New South Wales* 6: 551-564.

*Type locality:* North Pine River, Queensland.

## Biology and ecology

Found under deeply embedded rocks of a small stream. Assumed to feed by scraping bacteria and possibly microalgae. Presumed solitary capsules with single egg. Direct development.

## Distribution

North Pine River, Queensland.

## Notes

Most species of *Fluvidona* are geographically isolated and have restricted ranges. This species is known only from the North Pine River system west of Brisbane.

*Fluvidona anodonta* is listed as vulnerable on the IUCN Red List (Clark, 2011).

## Further reading

Clark, S. 2011. *Fluvidona anodonta*. The IUCN Red List of Threatened Species 2011: e.T1291A3396669. <https://dx.doi.org/10.2305/IUCN.UK.2011-2.RLTS.T1291A3396669.en>.

*Fluvidona anodonta* - Wikipedia

Hedley, C. & Musson, C. T. (1892). On a collection of land and freshwater shells from Queensland. *Proceedings of the Linnean Society of New South Wales* 6: 551-564.

Miller, A. C., Ponder, W. F. & Clark, S. A. (1999). Freshwater snails of the genera *Fluvidona* and *Austropyrgus* (Gastropoda, Hydrobiidae) from northern New South Wales and southern Queensland, Australia. *Invertebrate Taxonomy* 13: 461-493.

Ponder, W. F. (1994). Australian freshwater Mollusca: conservation priorities and indicator species. *Memoirs of the Queensland Museum* 36: 191-196.

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