



Eulodrobia eulo (Ponder & Clark, 1990)



Eulodrobia eulo (adult size 1.4-2.4 mm)



Distribution of *Eulodrobia eulo*.



Massey Spring, SW of Eulo, western Queensland.
Photo W. Ponder.

Diagnostic features

This small (up to 2.4 mm in length) species has an ovate, orange brown, umbilicate shell. The yellow-brown operculum has a low thickening at the nucleus on the inner side.

Classification

Eulodrobia eulo (Ponder & Clark, 1990)

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Eulodrobia* Ponder, Zhang, Hallan & Shea, 2019.

Original name: Jardinella eulo Ponder & Clark, 1990. In Ponder, W. F. & Clark, G. A. (1990). A radiation of hydrobiid snails in threatened artesian springs in western Queensland. *Records of the Australian Museum* 42(3): 301-363.

Type locality: "Rocky Springs" near Mount Francis, about 52 km southwest of Eulo, SW Queensland.

Biology and ecology

Lives in a small, muddy spring amongst vegetation.

Distribution

Massey Spring, or "Rocky Springs" southwest of Eulo, Queensland.

A similar form occurs in Tunga Spring, about 11 km away and has been referred to as *Eulodrobia* cf. *eulo* by Ponder *et al.* (2019).

Notes

This species resembles *E. fenshami* in shape, but differs in its less ovate shell and in lacking a pimple on the inner side of the operculum, as well as in some anatomical features.

Further reading

Fensham, R., Ponder, W. & Fairfax, R. (2010). *Recovery plan for the community of native species dependent on natural discharge of groundwater from the Great Artesian Basin. Report to Department of the Environment, Water, Heritage and the Arts, Canberra.* Queensland Department of Environment and Resource Management, Brisbane. <https://www.environment.gov.au/system/files/resources/0cefc83a-3854-4cff-9128-abc719d9f9b3/files/great-artesian-basin-ec.pdf>

Perez, K. E., Ponder, W. F., Colgan, D. J., Clark, S. A. & Lydeard, C. (2005). Molecular phylogeny and biogeography of Spring-associated hydrobiid snails of the Great Artesian Basin, Australia. *Molecular Phylogenetics and Evolution* 34: 545-556.

Ponder, W. F. & Clark, G. A. (1990). A radiation of hydrobiid snails in threatened artesian springs in western Queensland. *Records of the Australian Museum* 42: 301-363.

Ponder, W. F., Zhang, W. -H., Hallan, A., & Shea, M. E. (2019). New taxa of Tateidae (Caenogastropoda, Truncatelloidea) from springs associated with the Great Artesian Basin and Einasleigh Uplands, Queensland, with the description of two related taxa from eastern coastal drainages. *Zootaxa* 4583(1): 1-67.

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

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