



## *Eulodrobia carinata* Ponder, Zhang, Hallan & Shea, 2019



*Eulodrobia carinata* (adult width 2.3-2.9 mm)



Distribution of *Eulodrobia carinata*



Spring in which this species and *E. spirula* were found. Yowah Creek Springs, Bundoona Station.  
Photo J. Ponder.

### Diagnostic features

Differs from all other species of tateid in the GAB (and in Australia) in having a prominent, flange-like keel on the periphery together with a low spire.

### Classification

*Eulodrobia carinata* Ponder, Zhang, Hallan & Shea, 2019

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

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

*Original name: Eulodrobia carinata* Ponder, Zhang, Hallan & Shea, 2019. In 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.

*Type locality:* In the main spring, Yowah Creek Springs, on Bundoona Station about 36 km NW of Eulo, SW Queensland. Lives in the very shallow spring outflow in coarse sediment.

## Biology and ecology

Lives in clean, rather coarse sediment in a very shallow spring outflow which has well oxygenated, clean water and coarse sediment. Lives with *E. spirula*.

## Distribution

Found only in one of the Yowah Creek Springs, on Bundoona Station about 36 km NW of Eulo, southwest Queensland.

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

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