



Edgbastonia? conjuboyensis Ponder, Zhang, Hallan & Shea, 2019



Edgbastonia? conjuboyensis (size up to 1.4-1.8 mm)



Distribution of *Edgbastonia? conjuboyensis*



Collecting in the basalt spring on Conjuboy Station.
Photo J. Ponder.



Basalt spring on Conjuboy Station. Photo C. Slatyer.

Diagnostic features

This taxon differs from other species of *Edgbastonia* in its more regularly conical shell. It also lacks a seminal receptacles and has a peculiar protoconch microsculpture unlike that seen in any other Australian tateid. Species of *Austropygrus* Cotton have a similar shell morphology, but they have a pegged operculum and more than two pairs of basal cusps and differ anatomically. Some species of *Fonscochlea* are also generally similar but differ markedly in female anatomy.

Classification

Eighbastonia? conjuboyensis Ponder, Zhang, Hallan & Shea, 2019

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

Genus *Eighbastonia* Ponder in Ponder, Wilke, Zhang, Golding, Fukuda, & Mason 2008 (Type species: *Eighbastonia alanwillsi* Ponder in Ponder *et al.*, 2008).

Original name: *Eighbastonia? conjuboyensis* 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: Conjuboy Station, W of Georgetown, in basal spring.

State of taxonomy

There is no molecular data available for this species and it is only tentatively assigned to *Eighbastonia* sensu lato.

Biology and ecology

Lives in a spring associated with tertiary basalts.

Distribution

Found in a spring emanating from basalt rocks on Conjuboy Station, west of Georgetown (ie., not from the Great Artesian Basin).

It occurs in the Einasleigh Uplands, the same general area as *E. (B.) chillagoensis* and *E. (B.) hufferensis*.

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>

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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