

Australian
FRESHWATER
MOLLUSCS



***Edgbastonia*
(*Barcardinia*) *chillagoensis* Ponder,
Zhang, Hallan & Shea, 2019**



Edgbastonia (Barcardinia) chillagoensis (adult size 1.5 - 2.1 mm)



Distribution of *Edgbastonia (Barcardinia) chillagoensis*



Springs alongside Walsh River, the habitat of this species. Photo: C. Slatyer.



Springs alongside Walsh River, the habitat of this species. Photo: C. Slatyer.

Diagnostic features

Most similar to *E. (B.) routhensis* but differs in the shell of *E. (B.) routhensis* being more pupiform, with that of *E. (B.) chillagoensis* being broader and with the inner lip of the aperture more distinctly separated from the parietal wall. Anatomically the two species are also similar, with only some minor differences.

Classification

Edgbastonia (Barcaldinia) chillagoensis Ponder, Zhang, Hallan & Shea, 2019

Class Gastropoda

Infraclass Caenogastropoda

Order Littorinida

Suborder Rissoidina

Superfamily Truncatelloidea

Family Tateidae

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

Subgenus *Barcaldinia* Ponder, Zhang, Hallan & Shea, 2019 (Type species *Jardinella edgbastonensis* Ponder & Clark, 1990)

Original name: Edgbastonia chillagoensis 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: Spinifex Ridge Spring, Edgbaston Station, near Aramac, Queensland.

Biology and ecology

Found in small, warm springs crawling on vegetation and sediment.

Distribution

This species is found in small, shallow warm springs on the northern side of the Walsh River, north of Chillagoe in the Einasleigh Uplands. These springs are fed by a local aquifer, which is not part of the GAB.

Further reading

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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