



Edgbastonia (Barcardinia) pallida (Ponder & Clark, 1990)



Edgbastonia (Barcardinia) pallida (adult size 1.3-1.8 mm)



Distribution of *Edgbastonia (Barcardinia) pallida*.



Big Spring, Edgbaston Station. Photo C. Slatyer.

Diagnostic features

The shell is pupiform, white and reaches about 1.8 mm in length. This species is most similar to *E. (B.) colmani*, which is darker and occurs 58 km away.

Classification

Edgbastonia (Barcardinia) pallida (Ponder & Clark, 1990)

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

Original name: *Jardinella pallida* 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: "Big Spring" about 3 km southeast of "Edgbaston" Homestead, about 30 km northeast of Aramac, Queensland.

Biology and ecology

Lives in springs in the Edgbaston group.

Distribution

Springs on Edgbaston Station, about 30 km northeast of Aramac, and on the adjoining Myross Station, Queensland.

Notes

This is the smallest species in the Edgbaston Springs group. Specimens from the adjoining Myross Station are very similar and are tentatively referred to as *E. (B) cf. pallida* by Ponder *et al.* (2019).

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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