



Edgbastonia (Barcaldinia) corrugata *corrugata* (Ponder & Clark, 1990)



Edgbastonia (Barcaldinia) corrugata (adult size 3.5-4.1 mm)



Distribution of *Edgbastonia (Barcaldinia) corrugata*.



Big Spring, Edgbaston Station. Photo C. Slatyer.

Diagnostic features

This trochiform species reaches about 4 mm in length and often has part of the last whorl disjunct. It is sculptured with distinct axial riblets and has a prominent umbilicus. It occurs with *J. edgbastonensis* and differs from that species in the sculpture, in having a wider umbilicus and a shorter spire.

Classification

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

Original name: *Jardinella corrugata* 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", Edgbaston Station, about 31 km northeast of Aramac, Queensland.

Biology and ecology

Lives in springs in the Edgbaston group.

Distribution

Springs to the southeast of "Edgbaston" Homestead, about 30 km northeast of Aramac, Queensland (Barcaldine Supergroup).

Notes

This large, highly distinct Queensland artesian spring species of *Edgbastonia* (*Barcaldinia*) has the last whorl separated from the parietal wall. It also has sharp axial riblets and a wide umbilicus.

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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