Edgbastonia (*Barcaldinia*) *rugosa* Ponder, Zhang, Hallan & Shea, 2019

Edgbastonia (*Barcaldinia*) *rugosa* (adult size 2.0-2.7 mm)

Distribution of *Edgbastonia* (*Barcaldinia*) *rugosa*

Diagnostic features

This species is most similar to *E.* (*B.*) *acuminata* in shell morphology, having weakly convex whorls, but differs in having fewer whorls and a shorter shell, and in being sculptured with weak, rounded axial ribs. This latter character is unique in the Queensland tateids, although narrow, rather sharp ribs are seen in *E.* (*B.*) *corrugata corrugata*. Anatomically, this species is closest to *E.* (*B.*) *acuminata* and *E.* (*B.*) *zeidlerorum*. *E.* (*B.*) *pagoda* lives together with *E.* (*B.*) *rugosa* but differs in lacking the axial ribs and in having an angulation in the middle of each whorl.

Classification

Edgbastonia **(*Barcaldinia*) *rugosa*** 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* (*Barcaldinia*) *rugosa* 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: small spring on Myross Station, northeast of Aramac, Queensland.

Biology and ecology

The spring in which this species and the next were found is a small pool on flat ground and is not fenced or otherwise protected. While a detailed survey of this property has not been conducted, sampling so far has failed to find either this species or the next in other locations.

Distribution

Known from one spring on Myross Station, near Aramac, Queensland (Barcaldine Supergroup).

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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