



Gyraulus (Gyraulus) edgbastonensis Brown, 2001



Gyraulus (Gyraulus) edgbastonensis (adult size up to 4.7 mm)



Distribution of *Gyraulus (Gyraulus) edgbastonensis*.



A spring on Edgbaston Station in which this species occurs. Photo C. Lydeard.

Diagnostic features

The depressed, acutely angular, strongly keeled dark brown shell of *G. edgbastonensis* with rapidly increasing whorls is distinct from other *Gyraulus* species in Australia. The strong keel is present even in juveniles.

Classification

Gyraulus (Gyraulus) edgbastonensis Brown, 2001

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Planorboidea

Family Planorbidae

Subfamily: Planorbinae

Genus *Gyraulus* Charpentier, 1837

Original name: Gyraulus (Gyraulus) edgbastonensis Brown, 2001. In Brown, D. S. (2001). Freshwater snails of the genus *Gyraulus* (Planorbidae) in Australia: taxa of the mainland. *Molluscan Research* 21: 17-107.

Type locality: "Big Spring", about 31 km north-east of Aramac and about 3 km south-east of "Edgbaston" homestead, Queensland.

Biology and ecology

Lives in artesian springs at Edgbaston Station, central western Queensland.

Brown (2001) described the anatomy of this species.

Distribution

Edgbaston Springs, near Aramac, central Queensland.

Notes

One of several endemic snails from Edgbaston Springs in western Queensland.

Further reading

Brown, D. S. (2001). Freshwater snails of the genus *Gyraulus* (Planorbidae) in Australia: taxa of the mainland. *Molluscan Research* 21: 17-107.

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>

Hubendick, B. (1955). Phylogeny of the Planorbidae. *Transactions of the Zoological Society of London* 28: 453-542.

Rossini, R. A., Fensham, R. J. & Walter, G. H. (2017). Spatiotemporal variance of environmental conditions in Australian artesian springs affects the distribution and abundance of six endemic snail species. *Aquatic Ecology* 51: 511-529.

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https://keys.lucidcentral.org/keys/v3/freshwater_molluscs/

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