



Gyraulus (Gyraulus) chinensis (Dunker, 1848)



Gyraulus (Gyraulus) chinensis (adult size up to 3.6 mm)



Australian distribution of *Gyraulus (Gyraulus) chinensis*.

Diagnostic features

The shell has a peripheral angulation (not a keel), and spiral sculpture is weak or lacking. Distinguished from all other Australian *Gyraulus* by the blotchy pigmentation of the mantle.

Classification

Gyraulus (Gyraulus) chinensis (Dunker, 1848)

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Planorboidea

Family Planorbidae

Subfamily: Planorbinae

Genus *Gyraulus* Charpentier, 1837

Original name: Planorbis chinensis Dunker, 1848. In Dunker, G. (1848). Diagnoses specierum novarum generis *Planorbis* collectionis Cumingianae. *Proceedings of the Zoological Society of London* 1848: 40-43.

Type locality: Hong Kong.

Biology and ecology

An invasive species in western Europe and Guinea Bissau in West Africa, Pond dweller from a locality in South Australia. This is the only species of *Gyraulus* found in Australia with blotchy mantle pigmentation.

Brown (2001) described the anatomy of this species.

Distribution

This Asian species is known from a single locality near Mt. Gambier in South Australia. It is native in eastern and southern Asia.

Notes

This Asian species is also established in parts of Europe and the UK.

Further reading

Brown, D. S. (1981). Observations on the Planorbidae from Australia and New Guinea. *Journal of the Malacological Society of Australia* 5: 67-80.

Brown, D. S. (1998). Freshwater snails of the genus *Gyraulus* (Gastropoda: Planorbidae) in Australia: the taxa of Tasmania. *Molluscan Research* 19: 105-154.

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

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

Ng, T.H., Tan, S.K., Wong, W.H., Meier, R., Chan, S-Y., Tan, H.H. and Yeo, D.C.J. 2016. Molluscs for Sale: Assessment of Freshwater Gastropods and Bivalves in the Ornamental Pet Trade. *PLOS One*. DOI:10.1371/journal.pone.0161130.

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