



Gyraulus (Gyraulus) atkinsoni (Johnston, 1879)



Gyraulus (Gyraulus) atkinsoni (adult size up to 5 mm)



Distribution of *Gyraulus (Gyraulus) atkinsoni*.

Diagnostic features

Strongly compressed keeled shell with small sunken upper whorls. Similar to *G. isingi*, but larger (maximum diameter about 5 mm). In both species, the keel is positioned slightly towards the "base" (if viewed with the aperture on the right).

Classification

Gyraulus (Gyraulus) atkinsoni (Johnston, 1879)

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Planorboidea

Family Planorbidae

Subfamily: Planorbinae

Genus Gyraulus Charpentier, 1837

Original name: *Planorbis atkinsoni* Johnston, 1879. In Johnston, R. M. (1879). Further notes on the fresh-water shells of Tasmania. *Papers Proceedings of the Royal Society of Tasmania* 1878: 19-29.

Type locality: South Esk River, Tasmania.

Biology and ecology

On submerged leaves in rivers and streams in northern Tasmania.

Brown (1998) described the anatomy of this species.

Boray (1982) named *G. isingi* (and *G. gilberti*), as an intermediate host for the stomach fluke *Orthocoelium streptocoelium*.

Distribution

Tasmania.

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.

Smith, B. J. (1992). Non-marine Mollusca. Pp. i-xii, 1-408 in W. W. K. Houston. *Zoological Catalogue of Australia*, 8. Canberra, Australian Government Publishing Service.

Smith, B. J. & Kershaw, R. C. (1981). *Tasmanian Land and Freshwater Molluscs*. Hobart, University of Tasmania.

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