



Gyraulus (Pygmanisus) scottianus (Johnston, 1879)



Gyraulus (Pygmanisus) scottianus (adult size 2.2-3.1 mm)



Distribution of *Gyraulus (Pygmanisus) scottianus*.

Diagnostic features

Can be distinguished from all other *Gyraulus* species by its slowly increasing rounded whorls, flat open spiral shape, and small size. It is also anatomically distinct (Brown 1998).

Classification

Gyraulus (Pygmanisus) scottianus (Johnston, 1879)

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Planorboidea

Family Planorbidae

Subfamily: Planorbinae

Genus Gyraulus Charpentier, 1837

Subgenus Pygmanisus Iredale, 1943 (Type species: *Planorbis scottiana* Johnston, 1879).

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

Synonyms: Pygmanisus leonatus Iredale, 1943; *Pygmanisus pelorius* Iredale, 1943.

Biology and ecology

This species lives on aquatic vegetation in ponds, billabongs, swamps and sluggish streams and rivers. Feeds on detritus. Egg mass presumably a jelly strip containing small eggs. Development direct.

Brown (1998, 2001) described the anatomy of this species.

Distribution

South-eastern Australia, Tasmania and Lord Howe Island.

Further reading

Albrecht, C., Stelbrink, B. & Clewing, C. (2019). Planorbidae Rafinesque, 1815. Pp. 181-186 in C. Lydeard & Cummings, K. S. *Freshwater Mollusks of the World: a Distribution Atlas*. Baltimore, John Hopkins University Press.

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.

Shea, M. (1995). Freshwater molluscs of Sydney. *Australian Shell News* 88: 4-6.

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. and Kershaw, R. C. (1979). *Field guide to the non-marine molluscs of south eastern Australia*. Australian National University Press, Canberra, Australia.

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

To cite this resource: **Ponder, W. F., Hallan, A., Shea, M. E., Clark, S. A., Richards, K., Klunzinger, M. W., and Kessner, V. 2023. Australian Freshwater Molluscs. Revision 2.**

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

To contact the authors for comment or suggestions, please email: fwmollusc@gmail.com

Copyright © 2023. All rights reserved. The Australian Museum.

