



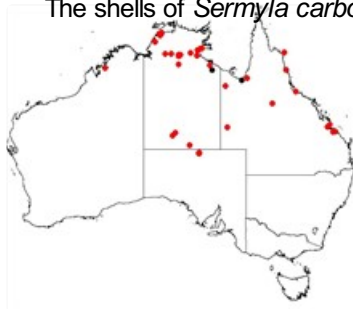
Sermyla carbonata (Reeve, 1859)

Diagnostic features

The shells of *Sermyla carbonata* are taller and more slender, with a



Sermyla carbonata (from Glaubrecht, 2009) (adult size up to 34 mm)



Distribution of *Sermyla carbonata*. Black dots indicate additional records from Glaubrecht et al. (2009).



Small channel of Roper River, Northern Territory. Habitat of *S. carbonata*. Photo: V. Kessner.

higher spire, and have less distinct axial and spiral ribs in comparison with *S. cf. riqueti*.

Classification

Sermyla carbonata (Reeve, 1859)

Class Gastropoda

Infraclass Caenogastropoda

Megaorder Cerithiimorpha

Order Cerithiida

Superfamily Cerithioidea

Family Thiariidae

Genus *Sermyla* H & A. Adams, 1854

Original name: *Melania carbonata* Reeve, 1859. In Reeve, L. A. (1859-1861). Monograph of the genus *Melania*. In: *Conchologia Iconica, or, illustrations of the shells of molluscous animals*, vol. 12, pls 1-59 and unpaginated

text. L. Reeve & Co., London.

Type locality: Unknown.

Synonyms: *Melania venustula* Brot, 1877; *Sermylasma prognata* Iredale, 1943.

Biology and ecology

On and in sediment, rocks and water weeds in estuarine and freshwater rivers, streams, ponds and billabongs. A detritus feeder. Broods larvae in a brood pouch in the head which contains about a dozen juveniles.

Distribution

Gulf of Carpentaria drainages of the Northern Territory and Howard Springs near Darwin; northern Queensland, and a few locations in central Australia and in NW Australia.

Notes

This species was known as *Sermula venustula* (Brot) until recently.

Further reading

Glaubrecht, M., Brinkmann, N. & Pöppe, J. (2009). Diversity and disparity 'down under': systematics, biogeography and reproductive modes of the 'marsupial' freshwater Thiaridae (Caenogastropoda, Cerithioidea) in Australia. *Zoosystematics and Evolution* 85: 199-275.

Iredale, T. (1943). A basic list of the fresh water Mollusca of Australia. *Australian Zoologist* 10: 188-230.

Lentge-Maaß, N., Neiber, M. T., Gimnich, F., & Glaubrecht, M. (2021). Evolutionary systematics of the viviparous gastropod *Sermyla* (Gastropoda: Cerithioidea: Thiaridae), with the description of a new species. *Zoological Journal of the Linnean Society* 192(3): 736-762.

Maaß, N. and Glaubrecht, M. (2012). Comparing the reproductive biology of three "marsupial", eu-viviparous gastropods (Cerithioidea, Thiaridae) from drainages of Australia's monsoonal north. *Zoosystematics and Evolution* 88: 293-315.

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.

Willan, E. C. & Kessner, V. (2021). A conspectus of the freshwater molluscs of the Daly River catchment, Northern Territory. *Northern Territory Naturalist* 30: 108-137.

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

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