



***Bullastra vinosa* (A. Adams & Angas, 1864)**



Bullastra vinosa (adult size up to 28 mm)



Bullastra vinosa (syntype)



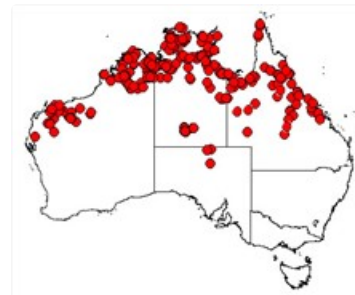
Bullastra vinosa ventral view of living specimen, NW Australia. Photo J. Walker.



Bullastra vinosa ventral view of living specimen, NW Australia. Photo J. Walker.



Bullastra vinosa, lateral view of living specimen, NW Australia. Photo J. Walker.



Distribution of *Bullastra vinosa*.



Habitat for *Bullastra vinosa*. Photo J. Walker.



Bullastra vinosa living semi-amphibiously on upper surface of water lily leaf, NW Australia. Photo J. Walker.



Bullastra vinosa egg masses on under surface of water lily leaf, NW Australia. Photo J. Walker.



Running Waters, Finke River. Location for *B. vinosa*. Photo: V. Kessner.

Diagnostic features

This species is distinguished from the more southern *Bullastra lessoni* by its taller spire and more elongate shape.

Classification

Bullastra vinosa (A. Adams & Angas, 1864)

Common name: Northern bubble pond snail

Class Gastropoda

Infraclass Heterobranchia

Megaorder Hygrophila

Order Lymnaeida

Superfamily Lymnoidea

Family Lymnaeidae

Genus *Bullastra* Bergh, 1901

Original name: *Amphipeplea vinosa* A. Adams & Angas, 1864. In Adams, A. & Angas, G.F.(1864). Descriptions of new species of freshwater shells collected by Mr. F.G.Waterhouse during J.McDonald Stuart's overland Journey from Adelaide to the north west coast of Australia. *Proceedings of the Zoological Society of London* 1863: 414-418.

Type locality: Tributary of Adelaide River, 'Arnheim's Land'.

Synonyms: *Amphipeplea phillipsi* A. Adams & Angas, 1864; *Limnaea angasi* Sowerby, 1872; *Limnaea deshayesii* Sowerby, 1872; *Amphipeplea queenslandica* Clessin, 1886; *Peplimnea lilmera* Iredale, 1943; *Peplimnea vinolenta* Iredale, 1943; *Peplimnea caurina* Iredale, 1943.

Biology and ecology

Amongst water weeds and similar substrates in dams, ponds, billabongs, sluggish rivers and streams. Often seen with the foot uppermost floating on the surface of the water and sometimes on leaves or the bank out of the water (WFP pers. observ. - see figure). Common. Feeds on algae and detritus. Egg mass a crescent-shaped jelly strip containing many small eggs. Development direct.

Distribution

Northern and central Australia.

Further reading

Beesley, P. L., Ross, G. J. B. & Wells, A., Eds. (1998). *Mollusca: The Southern Synthesis. Parts A & B*. Melbourne, CSIRO Publishing.

Blair, D. & Finlayson, C. M. (1981). Observations on the habitat and biology of a lymnaeid snail, *Austropeplea vinosa* (Gastropoda: Pulmonata), an intermediate host of avian schistosomes in tropical Australia. *Australian Journal of Marine and Freshwater Research* 32: 757-767.

Boray, J. C. & McMichael, D. F. (1961). The identity of the Australian lymnaeid snail host of *Fasciola hepatica* L. and its response to environment. *Australian Journal of Marine and Freshwater Research* 12: 150-163.

Hubendick, B. (1951). Recent *Lymnaeidae*: their variation, morphology, taxonomy, nomenclature and distribution. *Kongliga Svenska Vetenskapsakademiens Handlingar* 3: 1-223.

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

Köhler, F., Kessner, V. & Whisson, C. (2012). New records of non-marine, non-camaenid gastropods (Mollusca: Gastropoda) from islands off the Kimberley coast, Western Australia. *Records of the Western Australian Museum* 27: 21-39.

Puslednik, L., Ponder, W. F., Dowton, M. & Davis, A. R. (2009). Examining the phylogeny of the Australasian Lymnaeidae (Heterobranchia: Pulmonata: Gastropoda) using mitochondrial, nuclear and morphological markers. *Molecular Phylogenetics and Evolution* 52: 643-659.

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.

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.

