



## ***Radix peregra* (Müller, 1774)**

### **Diagnostic features**

This European species is somewhat difficult to identify due to similarity



*Radix peregra* (adult size up to 12 mm)

to other species that have a tall spire and non-inflated aperture, such as some forms of *Austropeplea huonensis* and *Orientogalba viridis*. Depending on which species concept is used for this species, it can be umbilicate, and some forms have a rather globose shell. It generally has the inner lip somewhat reflected over the columellar area, sometimes more so than in the figured specimen.

### **Classification**

*Radix peregra* (Müller, 1774)

*Common name:* Wandering pond snail

*Class:* Gastropoda

*Infraclass:* Heterobranchia

*Megaorder:* Hygrophila

*Order:* Lymnaeida

*Superfamily:* Lymnoidea

Family Lymnaeidae

Genus *Radix* Montfort, 1810

*Original name:* *Buccinum peregra* Müller, 1774. In Müller, O.F. (1774). *Vermium Terrestrium et Fluviatilium, seu Animalium Infusorium, Helminthicorum, et Testaceorum, non marinorum, Succincta Historia. Havniae & Lipsiae* : Heineck & Faber Vol. 2 xxvi 214 pp. [130].

*Type locality:* Frederiksberg, Copenhagen, Denmark

*Synonym:* Many, including *Limnaea hobartensis* Tenison Woods, 1876.

## State of taxonomy

The relationships and taxonomy of this species are not fully resolved. It is sometimes considered to be a synonym of *Radix balthica* (Linnaeus, 1758).

## Biology and ecology

Amongst water weeds etc., in ponds. Has not been seen in the wild in Australia since the 19th century. Feeds on algae and detritus. Egg mass a crescent-shaped jelly strip containing many small eggs. Development direct.

## Distribution

Tasmania. Introduced from Europe.

## Notes

This species is known to host a number of significant parasites in Europe.

## Further reading

Aksenova, O. V., Bolotov, I. N., Gofarov, M. Y., Kondakov, A. V., Vinarski, M. V., Bepalaya, Y. V., Kolosova, Y. S., Palatov, D. M., Sokolova, S. E. & Spitsyn, V. M. (2018). Species richness, molecular taxonomy and biogeography of the radicine pond snails (Gastropoda: Lymnaeidae) in the Old World. *Scientific Reports* 8: 1-17.

Boray, J. C. (1978). The potential impact of exotic *Limnaea* spp. on fascioliasis in Australasia. *Veterinary Parasitology* 4: 127-141.

Correa, A. C., Escobar, J. S., Durand, P., Renaud, F., David, P., Jame, P., Pointier, J.-P. & Hurtrez-Boussès, S. (2010). Bridging gaps in the molecular phylogeny of the Lymnaeidae (Gastropoda: Pulmonata), vectors of Fascioliasis. *BMC Evolutionary Biology* 10 381(1-12)..

Glöer P. & Pei V. (2012). The freshwater snails (Gastropoda) of Iran, with descriptions of two new genera and eight new species. *ZooKeys* 219: 11-61

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

Lam, P. K. S., & Calow, P. (1988). Differences in the shell shape of *Limnaea peregra* (Müller)(Gastropoda: Pulmonata) from lotic and lentic habitats; environmental or genetic variance?. *Journal of Molluscan Studies* 54: 197-207.

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.

Pfenninger, M, Cordellier, M. & Streit, B. (2006). Comparing the efficacy of morphologic and DNA-based taxonomy in the freshwater gastropod genus *Radix* (Basommatophora, Pulmonata). *BMC Evolutionary Biology* 6: 100 (1-14).

Remigio, E. (2002). Molecular phylogenetic relationships in the aquatic snail genus *Limnaea*, the intermediate host of the causative agent of fascioliasis: insights from broader taxon sampling. *Parasitology Research* 88: 687-696.

---

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/](https://keys.lucidcentral.org/keys/v3/freshwater_molluscs/)

To contact the authors for comment or suggestions, please email: [fwmollusc@gmail.com](mailto:fwmollusc@gmail.com)

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

